

One hundred fifty six Sustainable Materials

GROW COLLAGEN Mikaela Heston / USA Collagen is a natural protein found in skin, bones, and cartilage. It's a key component of the body's connective tissue. This material is made from a natural protein found in skin, bones, and cartilage. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	MUSHROOM MATERIAL Liam O'Connell / USA Mushroom mycelium is a natural material that can be grown on agricultural waste. It's a natural material that can be grown on agricultural waste. It's a natural material that can be grown on agricultural waste.	SMILE PLASTICS Mikaela Heston / USA Smile plastics are made from a natural protein found in skin, bones, and cartilage. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLED WOOD Derek Brown / Canada Recycled wood is made from wood that has been previously used. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLED TEXTILE MATERIALS Liam O'Connell / USA Recycled textile materials are made from textile waste. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	DENSIFIED WOOD Liam O'Connell / USA Densified wood is made from wood that has been compressed. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	SUSTAINABLE PACKAGING Liam O'Connell / USA Sustainable packaging is made from sustainable materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	SPIDERS SILK FIBERS Liam O'Connell / USA Spider silk fibers are made from spider silk. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	DENSIFIED WOOL Liam O'Connell / USA Densified wool is made from wool that has been compressed. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	BIOPOLYMERS SILKWORM Liam O'Connell / USA Biopolymers silkworm are made from silkworm silk. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	NATURAL BINDER Liam O'Connell / USA Natural binder is made from natural materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	PINEAPPLE LEAF FIBRES Liam O'Connell / USA Pineapple leaf fibres are made from pineapple leaves. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	COMPOSTABLE MATERIAL Liam O'Connell / USA Compostable material is made from compostable materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	LENIN FIBER Liam O'Connell / USA Lenin fiber is made from Lenin materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	BIO PACKAGING Liam O'Connell / USA Bio packaging is made from bio materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	ALGAE PLASTIC Liam O'Connell / USA Algae plastic is made from algae. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	LAINE Liam O'Connell / USA Laine is made from laine materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	CASEIN / GALALITH Liam O'Connell / USA Casein / Galalith is made from casein / galalith materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	BIOPOLYMER COMPOSTABLE Liam O'Connell / USA Biopolymer compostable is made from biopolymer compostable materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	NATURAL RUBBER Liam O'Connell / USA Natural rubber is made from natural rubber materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.
REWALLITON Liam O'Connell / USA Rewallitton is made from rewallitton materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	WOOD BASED PACKAGING Liam O'Connell / USA Wood based packaging is made from wood based packaging materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	ULTRA-LIGHT BIO-BASED WOODEN COMPOSITE BOARD Liam O'Connell / USA Ultra-light bio-based wooden composite board is made from ultra-light bio-based wooden composite board materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLING WOOD-ON-WOOD WITHOUT ADHESIVE Liam O'Connell / USA Recycling wood-on-wood without adhesive is made from recycling wood-on-wood without adhesive materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	BIO GLASS Liam O'Connell / USA Bio glass is made from bio glass materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLED GLASS Liam O'Connell / USA Recycled glass is made from recycled glass materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	ECO COMPOSITE MATERIAL Liam O'Connell / USA Eco composite material is made from eco composite material materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	SPIDERS SILK FIBERS Liam O'Connell / USA Spider silk fibers are made from spider silk. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	BACTERIAL CELLULOSE Liam O'Connell / USA Bacterial cellulose is made from bacterial cellulose materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	BIOPOLYMER MYCELUM Liam O'Connell / USA Biopolymer mycelum is made from biopolymer mycelum materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	BIOGRADABLE TEXTILE Liam O'Connell / USA Biogradable textile is made from biogradable textile materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	BANANA FIBERS Liam O'Connell / USA Banana fibers are made from banana fibers materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	WATER-BASED RESINS Liam O'Connell / USA Water-based resins are made from water-based resins materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	NATURAL FIBRES Liam O'Connell / USA Natural fibres are made from natural fibres materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	BIORRIX Liam O'Connell / USA Biorrix is made from biorrix materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	SELK-BASED PRODUCTS Liam O'Connell / USA Selk-based products are made from selk-based products materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	KORK Liam O'Connell / USA Kork is made from kork materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	WOOD-PLASTIC COMPOSITES Liam O'Connell / USA Wood-plastic composites are made from wood-plastic composites materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	BIOGRADABLE COVER Liam O'Connell / USA Biogradable cover is made from biogradable cover materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	COCONUT FIBER Liam O'Connell / USA Coconut fiber is made from coconut fiber materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.
DMLS STAINLESS STEEL Liam O'Connell / USA DMLS stainless steel is made from dmls stainless steel materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	SELF-ADHESIVE PANEL Liam O'Connell / USA Self-adhesive panel is made from self-adhesive panel materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RICE HUSK Liam O'Connell / USA Rice husk is made from rice husk materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	GREEN POLYETHYLENE Liam O'Connell / USA Green polyethylene is made from green polyethylene materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	BIOPOLYMER Liam O'Connell / USA Biopolymer is made from biopolymer materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	100% RECYCLED PLASTICS Liam O'Connell / USA 100% recycled plastics are made from 100% recycled plastics materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	SUSTAINABLE COMPOSITE MATERIALS Liam O'Connell / USA Sustainable composite materials are made from sustainable composite materials materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	PLASTIC FROM BIODEGRADED RAW MATERIALS Liam O'Connell / USA Plastic from biodegraded raw materials is made from plastic from biodegraded raw materials materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	LINEAR LOW DENSITY POLYTHENE Liam O'Connell / USA Linear low density polythene is made from linear low density polythene materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	PLASTIC RECYCLING PROCESS Liam O'Connell / USA Plastic recycling process is made from plastic recycling process materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLED NEWSPAPER Liam O'Connell / USA Recycled newspaper is made from recycled newspaper materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLED NEWSPAPER Liam O'Connell / USA Recycled newspaper is made from recycled newspaper materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	COCO FIBRES Liam O'Connell / USA Coco fibres are made from coco fibres materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLED VINYL Liam O'Connell / USA Recycled vinyl is made from recycled vinyl materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLABLE RUBBER Liam O'Connell / USA Recyclable rubber is made from recyclable rubber materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	SUSTAINABLE FORESTRY Liam O'Connell / USA Sustainable forestry is made from sustainable forestry materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLED ALUMINUM Liam O'Connell / USA Recycled aluminum is made from recycled aluminum materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	3D PRINTED WELLBOARD Liam O'Connell / USA 3D printed wellboard is made from 3d printed wellboard materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLED POLYESTER Liam O'Connell / USA Recycled polyester is made from recycled polyester materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLED POLYESTER Liam O'Connell / USA Recycled polyester is made from recycled polyester materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.
DUST 3D PRINTING Liam O'Connell / USA Dust 3d printing is made from dust 3d printing materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	BIO-BASED THERMOPLASTIC Liam O'Connell / USA Bio-based thermoplastic is made from bio-based thermoplastic materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	NATURAL BEDDING FOAM Liam O'Connell / USA Natural bedding foam is made from natural bedding foam materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	SWISS WOOD Liam O'Connell / USA Swiss wood is made from swiss wood materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	LIQUID-WOOD Liam O'Connell / USA Liquid-wood is made from liquid-wood materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	BIODEGRADED AND BIODEGRADABLE POLYMERS Liam O'Connell / USA Biodegraded and biodegradable polymers are made from biodegraded and biodegradable polymers materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	BIODEGRADED SPORT ELASTOMER Liam O'Connell / USA Biodegraded sport elastomer is made from biodegraded sport elastomer materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	BIO COMPOSIT Liam O'Connell / USA Bio composit is made from bio composit materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	SUNLIGHT 3D-PRINTING MACHINE Liam O'Connell / USA Sunlight 3d-printing machine is made from sunlight 3d-printing machine materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	MATERIAL INSPIRED BY JAPANESE ARTISANS Liam O'Connell / USA Material inspired by japanese artisans is made from material inspired by japanese artisans materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	BIODEGRADABLE COATING Liam O'Connell / USA Biodegradable coating is made from biodegradable coating materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	NATURAL FIBER COMPOSITES Liam O'Connell / USA Natural fiber composites are made from natural fiber composites materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RENEWABLE RESOURCES Liam O'Connell / USA Renewable resources are made from renewable resources materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	CORN-BASED POLYESTER Liam O'Connell / USA Corn-based polyester is made from corn-based polyester materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	HEMP RUBBER Liam O'Connell / USA Hemp rubber is made from hemp rubber materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	BIODEGRADABLE PVC Liam O'Connell / USA Biodegradable pvc is made from biodegradable pvc materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	STRUCTURAL VENEER LUMBER Liam O'Connell / USA Structural veneer lumber is made from structural veneer lumber materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLED BANANA WASTE Liam O'Connell / USA Recycled banana waste is made from recycled banana waste materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLED POST-INDUSTRIAL Liam O'Connell / USA Recycled post-industrial is made from recycled post-industrial materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLED COTTON POST-CONSUMERS Liam O'Connell / USA Recycled cotton post-consumers is made from recycled cotton post-consumers materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.
RUBBER RECYCLED Liam O'Connell / USA Rubber recycled is made from rubber recycled materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	CERAMIC REGULATE HUMIDITY Liam O'Connell / USA Ceramic regulate humidity is made from ceramic regulate humidity materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	WOOD CELLULOSE VENEERS Liam O'Connell / USA Wood cellulose veneers are made from wood cellulose veneers materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	FOOD, MEDICINE AND BUILDING MATERIAL Liam O'Connell / USA Food, medicine and building material is made from food, medicine and building material materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLED POST-INDUSTRIAL Liam O'Connell / USA Recycled post-industrial is made from recycled post-industrial materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLED GLASS Liam O'Connell / USA Recycled glass is made from recycled glass materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	ECO DYE MANUFACTURING Liam O'Connell / USA Eco dye manufacturing is made from eco dye manufacturing materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	COATING MADE FROM CRUSTACEAN WASTE Liam O'Connell / USA Coating made from crustacean waste is made from coating made from crustacean waste materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	VITA TALALAY LATEX Liam O'Connell / USA Vita talalay latex is made from vita talalay latex materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	SEAGRASS-BASED FOOD PACKAGING MATERIAL TO REDUCE Liam O'Connell / USA Seagrass-based food packaging material to reduce is made from seagrass-based food packaging material to reduce materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	SCAPA Liam O'Connell / USA Scapa is made from scapa materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	SEAGRASS PANEL Liam O'Connell / USA Seagrass panel is made from seagrass panel materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	CORNSPAN Liam O'Connell / USA Cornspan is made from cornspan materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	HUMAN HAIR ROPE Liam O'Connell / USA Human hair rope is made from human hair rope materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	ROTTERDAM FRUITLEATHER Liam O'Connell / USA Rotterdam fruitleather is made from rotterdam fruitleather materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	WOOD FIBER TEXTILES Liam O'Connell / USA Wood fiber textiles are made from wood fiber textiles materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	KRAFTLEX RELIEF Liam O'Connell / USA Kraftlex relief is made from kraftlex relief materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	A 100 PER CENT BIOBASED JACKET MADE FROM BEANS AND NUTS Liam O'Connell / USA A 100 per cent biobased jacket made from beans and nuts is made from a 100 per cent biobased jacket made from beans and nuts materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	FLAX FIBRES Liam O'Connell / USA Flax fibres are made from flax fibres materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	PULP BASED PRODUCTS Liam O'Connell / USA Pulp based products are made from pulp based products materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.
PINEAPPLE / COTTON Liam O'Connell / USA Pineapple / cotton is made from pineapple / cotton materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	SUGARCANE PANELS Liam O'Connell / USA Sugarcane panels are made from sugarcane panels materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	STONE COATING Liam O'Connell / USA Stone coating is made from stone coating materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	ECO-WOOL Liam O'Connell / USA Eco-wool is made from eco-wool materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLED POST-INDUSTRIAL Liam O'Connell / USA Recycled post-industrial is made from recycled post-industrial materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLED POST-CONSUMERS Liam O'Connell / USA Recycled post-consumers is made from recycled post-consumers materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLED POST-INDUSTRIAL Liam O'Connell / USA Recycled post-industrial is made from recycled post-industrial materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	A LIGHTER LEATHER MATERIAL MADE FROM RECYCLED LEATHER Liam O'Connell / USA A lighter leather material made from recycled leather is made from a lighter leather material made from recycled leather materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	WOOD WOOL PANELS Liam O'Connell / USA Wood wool panels are made from wood wool panels materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RIBBED LOW Liam O'Connell / USA Ribbed low is made from ribbed low materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	TECHWOOD Liam O'Connell / USA Techwood is made from techwood materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RIBBED LOW Liam O'Connell / USA Ribbed low is made from ribbed low materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	COFFEE BASED MATERIAL Liam O'Connell / USA Coffee based material is made from coffee based material materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	PLANT CULTURE Liam O'Connell / USA Plant culture is made from plant culture materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	CORK PLASTER Liam O'Connell / USA Cork plaster is made from cork plaster materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	TIMBER TERRAZZO Liam O'Connell / USA Timber terrazzo is made from timber terrazzo materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLING SHOES Liam O'Connell / USA Recycling shoes are made from recycling shoes materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	SOLIDWOOL Liam O'Connell / USA Solidwool is made from solidwool materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	SEAWEED BASED TEXTILE Liam O'Connell / USA Seaweed based textile is made from seaweed based textile materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RFF NARON Liam O'Connell / USA Rff naron is made from rff naron materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.
FIBRE / PULP PACKAGING Liam O'Connell / USA Fibre / pulp packaging is made from fibre / pulp packaging materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	SUSTAINABLE SOLUTIONS Liam O'Connell / USA Sustainable solutions are made from sustainable solutions materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	ECO TEXTILE Liam O'Connell / USA Eco textile is made from eco textile materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	ECO TEXTILE Liam O'Connell / USA Eco textile is made from eco textile materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	BIOFABRICATED LEATHER Liam O'Connell / USA Biofabricated leather is made from biofabricated leather materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	ELEPHANT DUNG PAPER Liam O'Connell / USA Elephant dung paper is made from elephant dung paper materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RAW PANELS Liam O'Connell / USA Raw panels are made from raw panels materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	BARK MATERIAL Liam O'Connell / USA Bark material is made from bark material materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	ADHESIVE FROM ANIMAL WASTE Liam O'Connell / USA Adhesive from animal waste is made from adhesive from animal waste materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	CELLULOSE FIBRES Liam O'Connell / USA Cellulose fibres are made from cellulose fibres materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	PAPER MADE FROM ALGAE Liam O'Connell / USA Paper made from algae is made from paper made from algae materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	SHREDDED U.S. CURRENCY Liam O'Connell / USA Shredded u.s. currency is made from shredded u.s. currency materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	CORK COMPOSITES Liam O'Connell / USA Cork composites are made from cork composites materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	MATERIAL LIGHTEST Liam O'Connell / USA Material lightest is made from material lightest materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLED PET FABRI POST-CONSUMER Liam O'Connell / USA Recycled pet fabri post-consumer is made from recycled pet fabri post-consumer materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLED CELLULOSE FIBRES Liam O'Connell / USA Recycled cellulose fibres are made from recycled cellulose fibres materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	KARLUN Liam O'Connell / USA Karlun is made from karlun materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLED OCEAN PLASTIC Liam O'Connell / USA Recycled ocean plastic is made from recycled ocean plastic materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	THE POWER OF POWER IN DESIGN Liam O'Connell / USA The power of power in design is made from the power of power in design materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLED OCEAN PLASTIC Liam O'Connell / USA Recycled ocean plastic is made from recycled ocean plastic materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.
CELLULOSE ACETATE Liam O'Connell / USA Cellulose acetate is made from cellulose acetate materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	BAMBOO Liam O'Connell / USA Bamboo is made from bamboo materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	PLASMA GASIFICATION Liam O'Connell / USA Plasma gasification is made from plasma gasification materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RAW WOOD COMPOSITES Liam O'Connell / USA Raw wood composites are made from raw wood composites materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	CARBON DIOXIDE INTO CONCRETE Liam O'Connell / USA Carbon dioxide into concrete is made from carbon dioxide into concrete materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	ORANGE FIBRES Liam O'Connell / USA Orange fibres are made from orange fibres materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	WOOD PANELS Liam O'Connell / USA Wood panels are made from wood panels materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	NATURAL FIBRES Liam O'Connell / USA Natural fibres are made from natural fibres materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	COMPOSTABLE ADHESIVE Liam O'Connell / USA Compostable adhesive is made from compostable adhesive materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	TANNED FROM RHUBARB ROOTS Liam O'Connell / USA Tanned from rhubarb roots is made from tanned from rhubarb roots materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	ORGANO D Liam O'Connell / USA Organo d is made from organo d materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	FLAX COMPOSITE Liam O'Connell / USA Flax composite is made from flax composite materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	THERMOFORMING OF NONWOVENS PLASTIC Liam O'Connell / USA Thermoforming of nonwovens plastic is made from thermoforming of nonwovens plastic materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	ECO EVA Liam O'Connell / USA Eco eva is made from eco eva materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLED PULP Liam O'Connell / USA Recycled pulp is made from recycled pulp materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	BIO RESIN Liam O'Connell / USA Bio resin is made from bio resin materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	FASTFETTERINGED Liam O'Connell / USA Fastfetteringed is made from fastfetteringed materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLED OCEAN PLASTIC Liam O'Connell / USA Recycled ocean plastic is made from recycled ocean plastic materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.		
CELLULOSE ACETATE Liam O'Connell / USA Cellulose acetate is made from cellulose acetate materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	BAMBOO Liam O'Connell / USA Bamboo is made from bamboo materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	PLASMA GASIFICATION Liam O'Connell / USA Plasma gasification is made from plasma gasification materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RAW WOOD COMPOSITES Liam O'Connell / USA Raw wood composites are made from raw wood composites materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	CARBON DIOXIDE INTO CONCRETE Liam O'Connell / USA Carbon dioxide into concrete is made from carbon dioxide into concrete materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	ORANGE FIBRES Liam O'Connell / USA Orange fibres are made from orange fibres materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	WOOD PANELS Liam O'Connell / USA Wood panels are made from wood panels materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	NATURAL FIBRES Liam O'Connell / USA Natural fibres are made from natural fibres materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	COMPOSTABLE ADHESIVE Liam O'Connell / USA Compostable adhesive is made from compostable adhesive materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	TANNED FROM RHUBARB ROOTS Liam O'Connell / USA Tanned from rhubarb roots is made from tanned from rhubarb roots materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	ORGANO D Liam O'Connell / USA Organo d is made from organo d materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	FLAX COMPOSITE Liam O'Connell / USA Flax composite is made from flax composite materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	THERMOFORMING OF NONWOVENS PLASTIC Liam O'Connell / USA Thermoforming of nonwovens plastic is made from thermoforming of nonwovens plastic materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	ECO EVA Liam O'Connell / USA Eco eva is made from eco eva materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLED PULP Liam O'Connell / USA Recycled pulp is made from recycled pulp materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	BIO RESIN Liam O'Connell / USA Bio resin is made from bio resin materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	FASTFETTERINGED Liam O'Connell / USA Fastfetteringed is made from fastfetteringed materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.	RECYCLED OCEAN PLASTIC Liam O'Connell / USA Recycled ocean plastic is made from recycled ocean plastic materials. It's a key component of the body's connective tissue. It's a key component of the body's connective tissue.		

Seven categories

Re-imagine

The title of this chapter does not invite us to re-imagine the use of a material but the use of machinery and knowledge in connection with a material. Sometimes, it is not enough to look at a material on its own, but to look at it in context. Facilities and machinery are huge investments; but sticking with existing machinery does not necessarily mean stagnating on product level. Innovative producers show how, with the right mindset, existing facilities can be adapted.

Re-organise

Every product manufactured, and the resulting waste at the end of its life cycle, comes in different shapes, sizes, composition and nature. One of the most convenient and common strategies for obtaining raw material from post-consumer or post-industrial waste is to shred it into uniformly sized fragments. With the help of agents (like binders), or in case of more elegant solutions, without binders, these fragments can be formed into a new material.

Re-appropriate

To appropriate means to allocate something to a specific use. The material featured in this section does not have a history as a primary product serving as a base for creating new material. It has long been discarded and treated as waste for a long time. It is striking that most of the materials that were initially retained in this category are linked to food production. From an industrial and demographic point of view this is obvious. Food production is becoming increasingly industrialized in order to feed more and more people and animals. There are certainly many downsides to this development. However, using the food production as a basis to develop materials has huge potential.

Re-direct

Mankind has always tried to re-direct nature. Often with disastrous outcomes. In material science however, re-directing nature might be an opportunity. The possibility of producing products without generating waste has always been a dream, economically and from a sustainability point of view. With the emergence of future-minded producers experimenting with bio-based high-tech materials, new possibilities arise which were unthinkable not long ago. What if we no longer manufactured our materials anymore, but grew them instead?

Re-consider

This section deals with “old materials – new processes”. Amid all the hype about new materials, it is often forgotten that many of the classic materials, like wood or wool, have excellent qualities which have been proven over centuries. While wood or wool may seem old fashioned to some, new technologies have the power to revive these materials and take them to a whole new level.

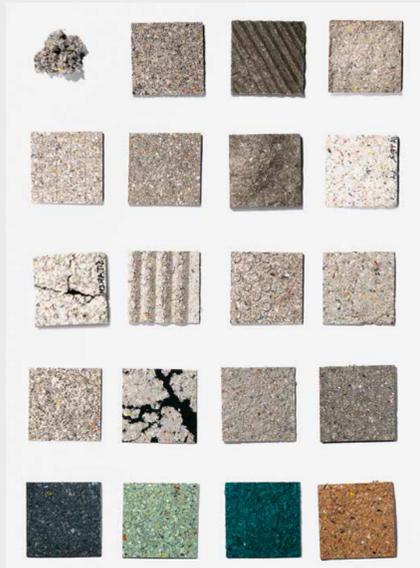
Re-combine

Many materials have an outstanding material quality. But not always multiple ones. When materials get combined in a smart way, the amount of beneficial qualities increases. This can happen by layering materials or by putting them together in any way that makes sense for a specific application.

Agents

A reality which cannot be ignored is that many sustainable or recycled materials cannot exist on their own. What is a sustainable granulate worth alone? What if a sustainable material needs to be given a different colour from its natural one? When researching the current generation of materials, it has become obvious that third-party agents like binders, glues and dyes are ever-present. If the sustainable nature of these products does not keep up with the development of the raw material, this risks nullifying all our good intentions.

Fourteen case studies



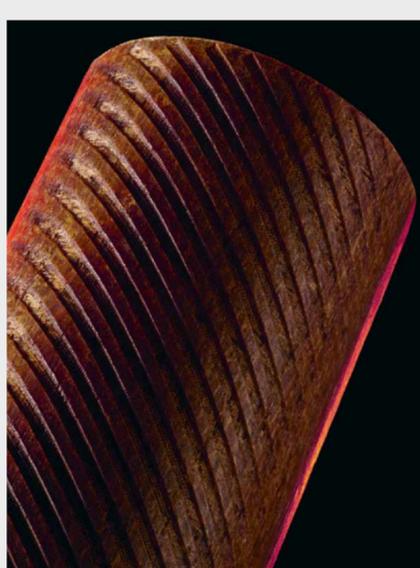
Re-organise
Isofloc LM
Fritz Jakob Gräber



Re-consider
Welding of Wood
Johannes Valentin Breuer



Re-appropriate
Rice Husk
Xinyi Jiang



Re-combine
FlaxTape™
Nikola Gaytandjiev