

FebMMU

As part of our promise to provide our clients with the newest and most innovative materials sourced from around the world, we are pleased to present our monthly Materials Update. Here you will find the latest materials recently voted into our library through a jury selection process, that are now available on our database.

These materials can be seen online and on-site at our New York location. Selected materials are also available at our Cologne, Daegu, Milan, and Bangkok locations; please call or email us at any of the addresses listed for more information.

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MC 2984-05

Hook and loop fastener that contains Nomex®, a meta-aramid fiber that exhibits flame resistance. This material is self-extinguishing, non-melting, and resistant to very high temperatures (235°C; 455°F).



MC 2984-06

Knitted-and-napped loop textile composed of nylon (polyamide; PA) for use in hook-and-loop fastening systems.



MC 2984-07

Range of warp-knitted loop and nonwoven textiles for use in hook-and-loop fastening systems. These materials are lightweight with a soft appearance and touch, have consistent peel and shear performance.



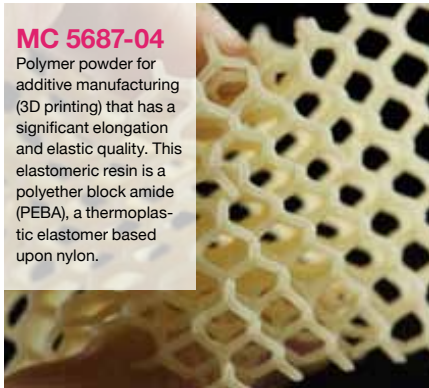
MC 5287-05

Multi-layer functional self-adhesive film composed primarily of polyvinyl chloride (PVC). It is dimensionally stable, easy to clean, resists weathering and has 'anti-graffiti' properties.



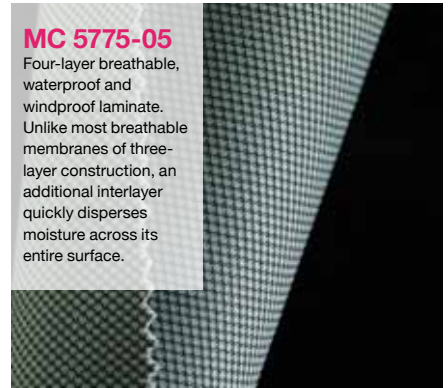
MC 5687-04

Polymer powder for additive manufacturing (3D printing) that has a significant elongation and elastic quality. This elastomeric resin is a polyether block amide (PEBA), a thermoplastic elastomer based upon nylon.



MC 5775-05

Four-layer breathable, waterproof and windproof laminate. Unlike most breathable membranes of three-layer construction, an additional interlayer quickly disperses moisture across its entire surface.



MC 5775-06

Waterproof and windproof breathable 2.5-layer laminate that exhibits dynamic heat insulation. Three-dimensional 'printed' foam dots on the inner surface create space between the skin and the textile, the spacing between the dots creates air chambers.



MC 5930-02

Clay tile made from 70% recycled content, including post-industrial granite dust and abrasives as well as post-consumer bathtubs and glass bottles.



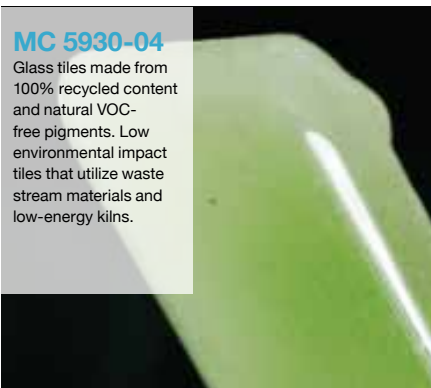
MC 5930-03

Vitreous ceramic tile made with a bright white clay body. The white base of the tile promotes the pure color of the non-toxic lead-free glazes.



MC 5930-04

Glass tiles made from 100% recycled content and natural VOC-free pigments. Low environmental impact tiles that utilize waste stream materials and low-energy kilns.



MC 5930-05

Thin brick tile made from 100% reclaimed earth from waste construction materials and colored with lead-free glazes. These brick tiles can be applied by masons and tile setters.



MC 6347-05

Rigid architectural panels from natural fibers. They are constructed from natural, rapidly renewable fibers as well as post-consumer recycled polymer content.



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MC 6560-07

A strong lightweight curved panel comprised of 100% recycled cellulose fibers and polyvinyl alcohol (PVA) glue, it is formaldehyde free and does not off-gas.



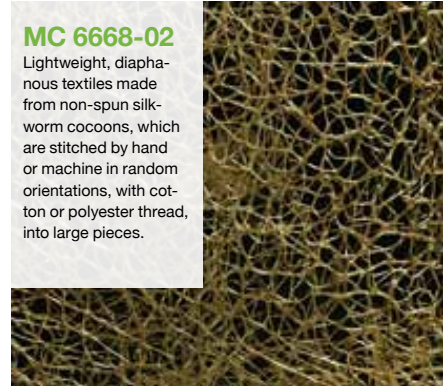
MC 6573-04

Woven jute fabrics that are reinforcement textiles based on natural jute fiber and designed for fiber-reinforced polymer composite applications.



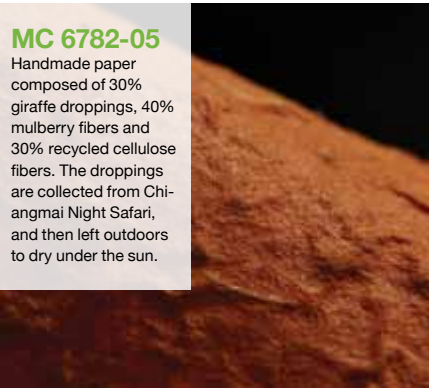
MC 6668-02

Lightweight, diaphanous textiles made from non-spun silkworm cocoons, which are stitched by hand or machine in random orientations, with cotton or polyester thread, into large pieces.



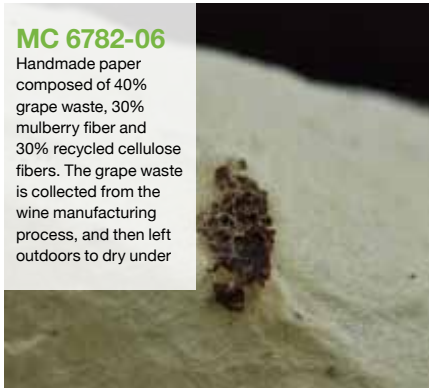
MC 6782-05

Handmade paper composed of 30% giraffe droppings, 40% mulberry fibers and 30% recycled cellulose fibers. The droppings are collected from Chingmai Night Safari, and then left outdoors to dry under the sun.



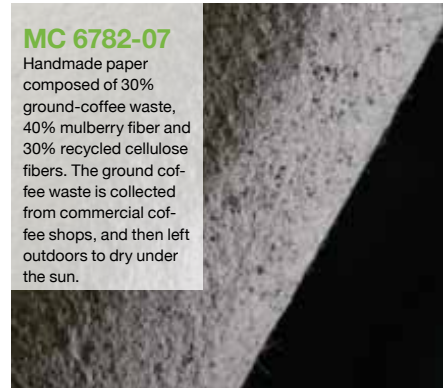
MC 6782-06

Handmade paper composed of 40% grape waste, 30% mulberry fiber and 30% recycled cellulose fibers. The grape waste is collected from the wine manufacturing process, and then left outdoors to dry under



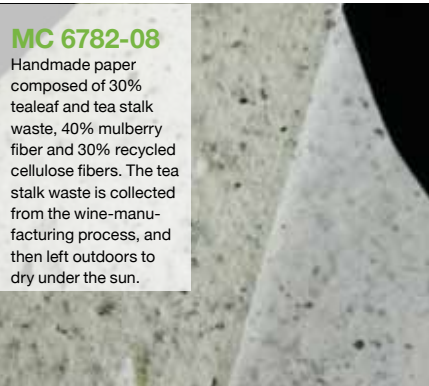
MC 6782-07

Handmade paper composed of 30% ground-coffee waste, 40% mulberry fiber and 30% recycled cellulose fibers. The ground coffee waste is collected from commercial coffee shops, and then left outdoors to dry under the sun.



MC 6782-08

Handmade paper composed of 30% tealeaf and tea stalk waste, 40% mulberry fiber and 30% recycled cellulose fibers. The tea stalk waste is collected from the wine-manufacturing process, and then left outdoors to dry under the sun.



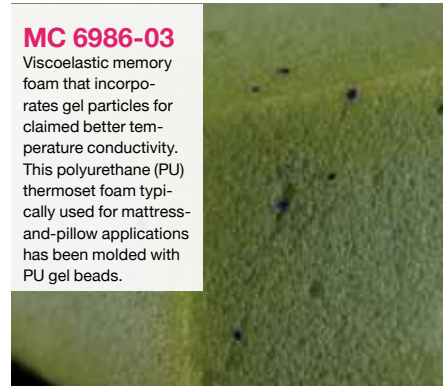
MC 6986-02

This lightweight viscoelastic memory foam is half the weight of standard visco foams, offering a claimed, more 'breathable' material.



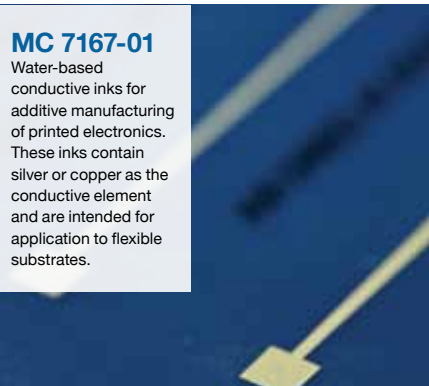
MC 6986-03

Viscoelastic memory foam that incorporates gel particles for claimed better temperature conductivity. This polyurethane (PU) thermoset foam typically used for mattress-and-pillow applications has been molded with PU gel beads.



MC 7167-01

Water-based conductive inks for additive manufacturing of printed electronics. These inks contain silver or copper as the conductive element and are intended for application to flexible substrates.



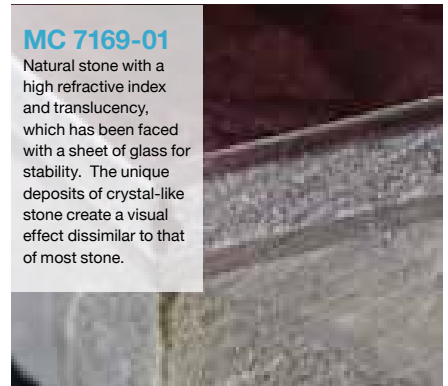
MC 7168-01

Hand-crafted three dimensional cotton textiles from waste fabric. Small spiral tubes of knitted fabric are stitched onto a woven-base cloth, creating a vertical pile with unique patterns of color density and color absence.



MC 7169-01

Natural stone with a high refractive index and translucency, which has been faced with a sheet of glass for stability. The unique deposits of crystal-like stone create a visual effect dissimilar to that of most stone.



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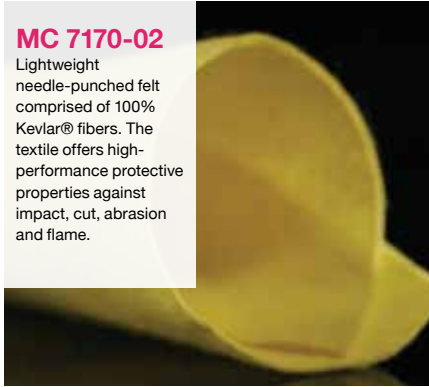
MC 7170-01

Non-woven felt fire blocker comprised of a blend of Panox®, Kevlar® and Ultem® fibers. Flame-blocking properties in this thin lightweight textile can be combined with other textiles.



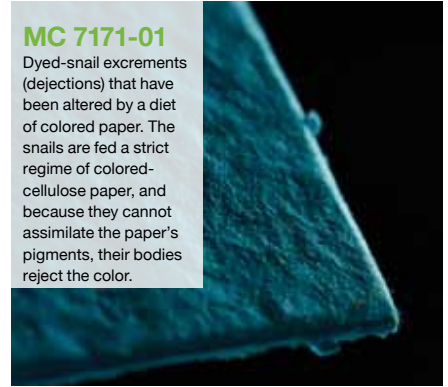
MC 7170-02

Lightweight needle-punched felt comprised of 100% Kevlar® fibers. The textile offers high-performance protective properties against impact, cut, abrasion and flame.



MC 7171-01

Dyed-snail excrements (dejections) that have been altered by a diet of colored paper. The snails are fed a strict regime of colored-cellulose paper, and because they cannot assimilate the paper's pigments, their bodies reject the color.



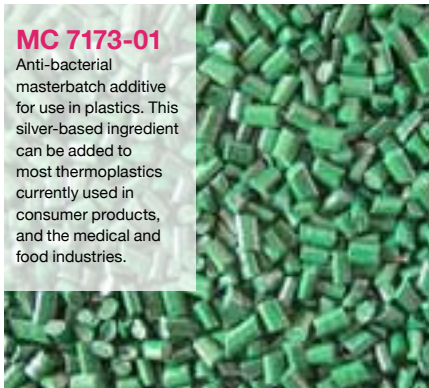
MC 7172-01

A range of high-quality apparel and upholstery fabrics that use low-impact natural materials. The yarns used are unbleached cotton or silk, and for some versions, used yarns recycled from existing, older fabrics.



MC 7173-01

Anti-bacterial masterbatch additive for use in plastics. This silver-based ingredient can be added to most thermoplastics currently used in consumer products, and the medical and food industries.



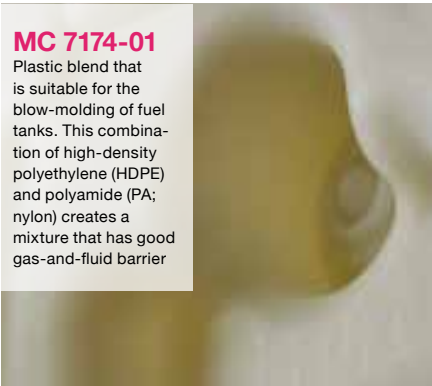
MC 7173-02

Anti-fungal masterbatch additive for use in plastics. This active ingredient can be added to most thermoplastics currently used in consumer products and the food industry.



MC 7174-01

Plastic blend that is suitable for the blow-molding of fuel tanks. This combination of high-density polyethylene (HDPE) and polyamide (PA; nylon) creates a mixture that has good gas-and-fluid barrier



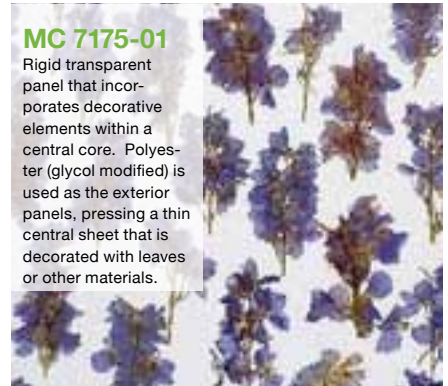
MC 7174-02

Plastic lumber that is produced from waste beverage bottles. Post consumer recycled PET bottles are cleaned, and ground into flakes molded into lumber profiles.



MC 7175-01

Rigid transparent panel that incorporates decorative elements within a central core. Polyester (glycol modified) is used as the exterior panels, pressing a thin central sheet that is decorated with leaves or other materials.



MC 7176-01

Polypropylene (PP) spunbond non-woven textile that incorporates long-lasting anti-bacterial and anti-fungal properties as well as tick protection.



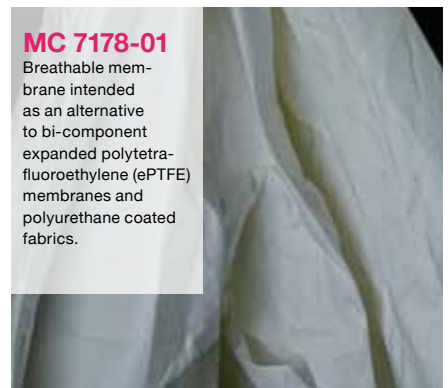
MC 7177-01

Lightweight, activated carbon-fiber felt mat for use in filtration and odor absorption. This flexible, soft mat is comprised of felted porous carbon fibers and has good tensile strength and is breathable.



MC 7178-01

Breathable membrane intended as an alternative to bi-component expanded polytetrafluoroethylene (ePTFE) membranes and polyurethane coated fabrics.



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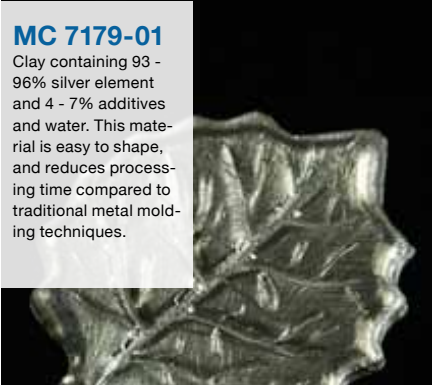
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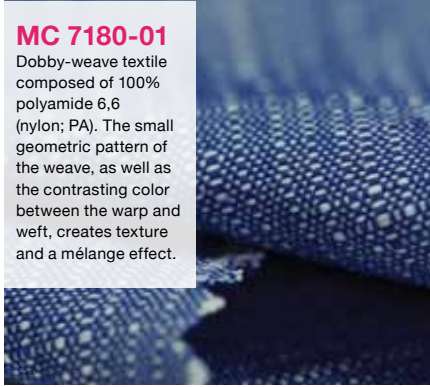
MC 7179-01

Clay containing 93 - 96% silver element and 4 - 7% additives and water. This material is easy to shape, and reduces processing time compared to traditional metal molding techniques.



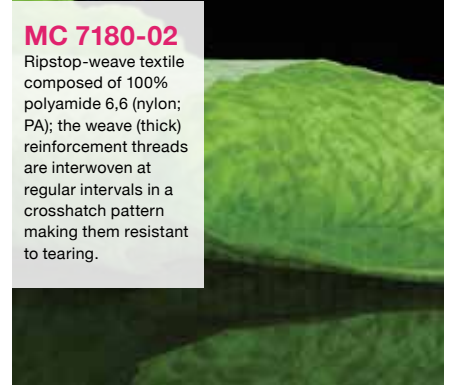
MC 7180-01

Dobby-weave textile composed of 100% polyamide 6,6 (nylon; PA). The small geometric pattern of the weave, as well as the contrasting color between the warp and weft, creates texture and a mélange effect.



MC 7180-02

Ripstop-weave textile composed of 100% polyamide 6,6 (nylon; PA); the weave (thick) reinforcement threads are interwoven at regular intervals in a crosshatch pattern making them resistant to tearing.



MC 7180-03

Seersucker slack-weave textile composed of 100% polyamide 6,6 (nylon; PA); the weave imparting a subtle wrinkle and pinstripe into the textile.



MC 7180-04

Satin-weave textile composed of 100% polyamide 6,6 (nylon; PA). A satin weave is characterized by its smooth glossy face, caused by the weft yarns 'floating' over four or more warp yarns.



MC 7180-05

Elastic plain-



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