JulyMMU

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, which are now available on our database.

These materials can be seen online and onsite at our New York location. Select materials are also available at our international locations; please call or email us at any of the addresses listed for more information.

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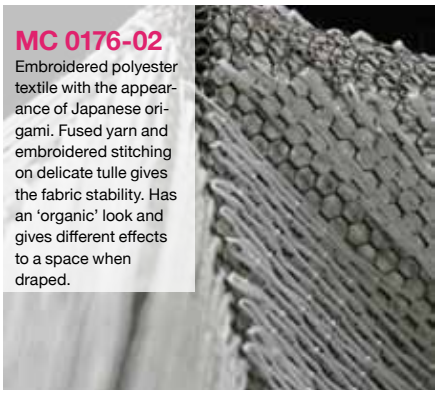
Index

carbon | cement | metal | glass | polymer | ceramic | process | natural



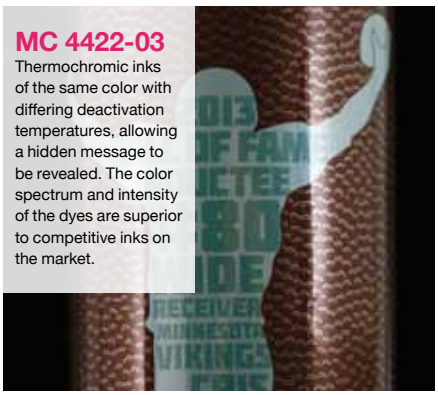
MC 0176-02
Embroidered polyester textile with the appearance of Japanese origami. Fused yarn and embroidered stitching on delicate tulle gives the fabric stability. Has an 'organic' look and gives different effects to a space when draped.

MC 2604-32
Lightweight, stretch, synthetic leather composed of a 40% PU face and 60% PET knit backing. This material is a vegan alternative to genuine animal leather, and possesses good stretch and over 96% recovery.

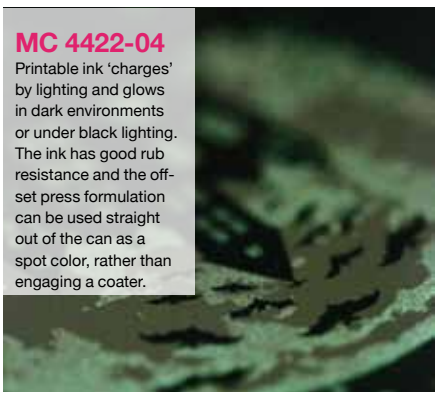
MC 2604-33
Synthetic leathers composed of a 60% PU face and a woven rayon backing. This material can be used as a vegan alternative to animal leather, with a texture and hand reminiscent of lambskin.

MC 2604-34
Synthetic leather composed of a 35% PU face and a woven PET backing. This material can be used as a vegan alternative to animal leather, with a texture and hand reminiscent of genuine hides.

MC 2687-33
Flexible, reflective wall-covering composed of glass beads and glitter. The material is formaldehyde-free and installs well with a low-VOC adhesive. The glass beads are hand-applied onto a non-woven backing.



MC 4422-03
Thermochromic inks of the same color with differing deactivation temperatures, allowing a hidden message to be revealed. The color spectrum and intensity of the dyes are superior to competitive inks on the market.



MC 4422-04
Printable ink 'charges' by lighting and glows in dark environments or under black lighting. The ink has good rub resistance and the offset press formulation can be used straight out of the can as a spot color, rather than engaging a coater.

MC 4792-06
Durable, antibacterial stoneware and earthenware tiles that break down odors and contaminants in the air, and require less cleaning than standard ceramic tiles.

MC 4822-02
Laminated stainless steel or aluminum sheets that feature a range of polymer films faces for enhanced performance and visual effect. These laminates offer high durability and workability.

MC 4822-03
Aluminum sheet laminated with a white PET film for diffuse light reflection. Surface has a total reflectivity of 96% and offers more constant reflectivity over a wide range of wavelengths.

MC 5033-02
Architectural patented LED (digital) facade cladding system. The LED profiles create illuminations on media façades.

MC 5033-03
Stainless steel wire-mesh system with interwoven LED profiles providing a permanent, integrated and intelligent 'medialization' of architecture.

Index

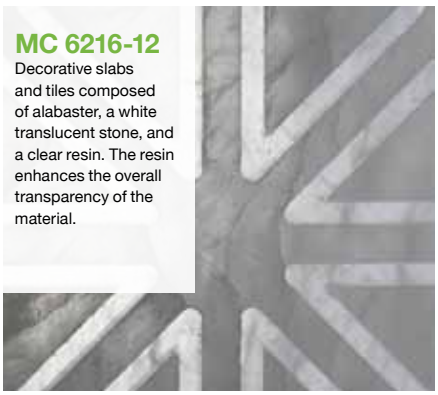
carbon | cement | metal | glass | polymer | ceramic | process | natural

MC 5930-06

Glass tiles produced with 100% post-consumer cathode ray tubes (CRT). CRT was first introduced in 1907 as a way to transmit images and has been an e-waste challenge in the recycling community for years.

MC 5934-02

Flexible, thin, interior architectural veneer made from banana plant trunks. All-natural surfaces are from rapidly renewable plants that would normally be left to decompose.



MC 6216-12

Decorative slabs and tiles composed of alabaster, a white translucent stone, and a clear resin. The resin enhances the overall transparency of the material.

MC 6243-02

Latex-based inkjet wall covering that creates the effect of a fractured wall panel with glowing light shining through.

MC 6615-03

Nylon (polyamide, PA) wovens with 3-way stretch, an attribute usually only seen in knits. Textiles feature elongation provided by traditional spandex, stretch nylon, and carefully constructed standard nylon yarns.

MC 7051-05

Range of durable knit, synthetic leather and suede textiles, which are compatible with touch screens and provide better conductivity than the human hand (104 Ω /sq).

MC 7051-06

Breathable, abrasion-resistant suede textile composed of PET and PU. Fabric contains cationic dyeable polyester, which is able to achieve bright, vivid colors and has improved color migration results.

MC 7051-07

Abrasion resistant textile with a fleece finish on one side and suede on the other. The textile is insulative and waterproof due to a central waterproof TPU membrane and a DWR treatment.

MC 7051-08

Extremely abrasion resistant suede textile with a waxy finish for improved grip. Composed of PET and treated with a PU dipping process. Textile has a taber abrasion (1 kg) of 4500 cycles, low water absorption and is breathable.

MC 7133-02

Transparent, flexible film with nine discrete layers and improved properties. Traditional film on the market is limited to five or seven layers with different polymers providing the desired functionality.

MC 7219-02

3D textile composed of lattices of carbon fiber, PET or PP binding yarns, and a 'pilewarp' of PE filament to create the spacial structure.

MC 7241-02

Antibacterial OPP film. The composition of the film kills 99.9% of bacteria that comes into contact with the surface. Lamination provides a barrier against any contagion.

Index

carbon | cement | metal | glass | polymer | ceramic | process | natural

MC 7259-01

Ultrathin stainless steel fibers with high conductivity. Fibers are durable against temperatures of up to 600˚C (1112˚F) and have a linear electrical conductivity of 1 Ω/cm. Dimensions are comparable to common textile fibers.

MC 7260-01

Plastic resin that is a version of polyester and contains a bio-based component. This PEIT is produced using isosorbide as a monomer that is derived from natural starch.

MC 7261-01

Disposable, nonwoven textile composed of 60% wood pulp, 25% PP and 15% PES. The first nonwoven that bridges the gap between traditional airlaid nonwoven and linen for tabletop applications.

MC 7262-01

Paper and paperboard composed of long cellulosic fibers from non-wood FSC certified sources. One side of the paper is coated with a pearl-effect pigment and then embossed for decorative effect.

MC 7263-01

Stone veneer composed of 100% natural quartzite slate. The slate is flexible, scratch and water resistant (when sealed), lightweight, can be applied over existing surfaces and will easily bend around columns or other curved surfaces.

MC 7264-01

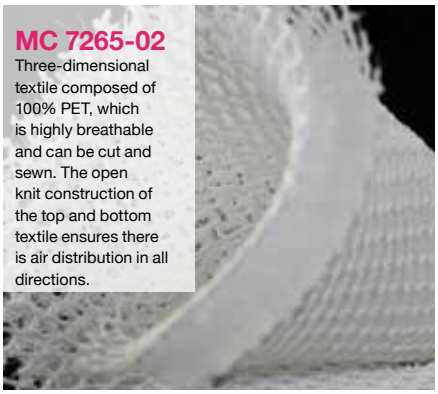
Hand-drawn, hand-printed, bespoke wall-coverings. Each design can be customized to the consumer. Material has high abrasion resistance and is sound absorbent. Designs are screen- and digitally printed.

MC 7264-02

Hand-printed textile on Belgian oyster cotton and linen blend. Each design can be customized to the consumer, but is also offered in stock patterns. Material has high abrasion resistance and is sound absorbent.

MC 7265-01

Three-dimensional knitted textile composed of 100% PET. The top and bottom surfaces are connected by spacer yarns to create height and cushion.



MC 7265-02

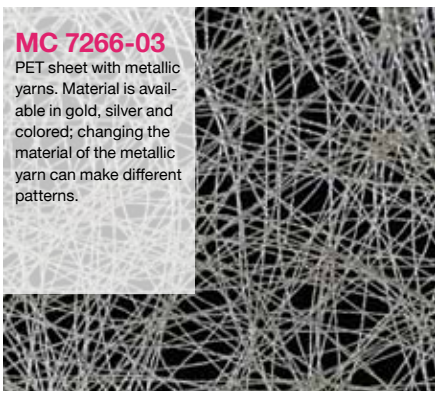
Three-dimensional textile composed of 100% PET, which is highly breathable and can be cut and sewn. The open knit construction of the top and bottom textile ensures there is air distribution in all directions.

MC 7266-01

PET hot stamping foil for surface decoration. Metalized foils can be applied to molded or extruded plastic surfaces. Foils are applied using a hot stamping process that transfers the foil using heat, pressure and an adhesive.

MC 7266-02

Metallic, PU film for decorative surfaces. Film has an adhesive "sticker" backing making it easy to apply onto surfaces without any added glues.



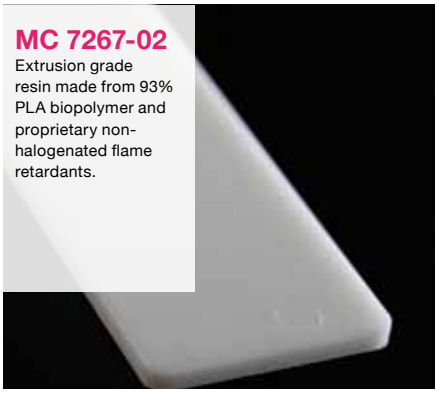
MC 7266-03

PET sheet with metallic yarns. Material is available in gold, silver and colored; changing the material of the metallic yarn can make different patterns.

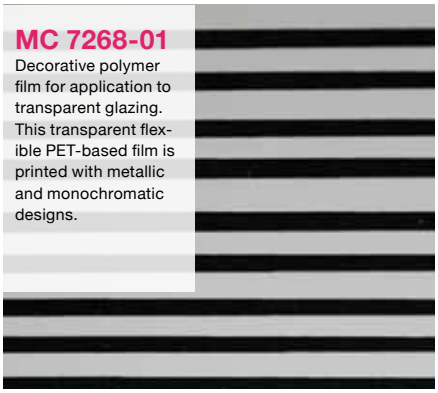
Index

carbon | cement | metal | glass | polymer | ceramic | process | natural

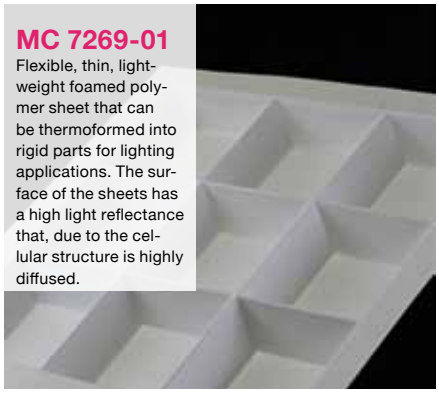
MC 7267-01
High-impact strength resin made from at least 85% PLA bio-polymer derived from renewable resources such as corn.



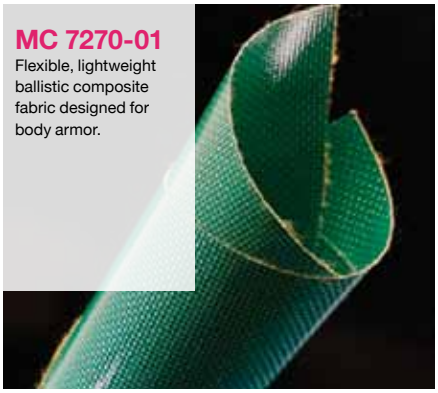
MC 7267-02
Extrusion grade resin made from 93% PLA biopolymer and proprietary non-halogenated flame retardants.



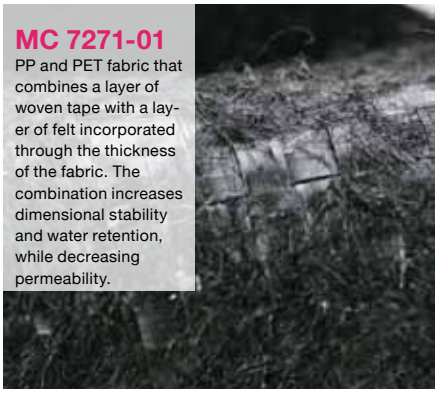
MC 7268-01
Decorative polymer film for application to transparent glazing. This transparent flexible PET-based film is printed with metallic and monochromatic designs.



MC 7269-01
Flexible, thin, lightweight foamed polymer sheet that can be thermoformed into rigid parts for lighting applications. The surface of the sheets has a high light reflectance that, due to the cellular structure is highly diffused.



MC 7270-01
Flexible, lightweight ballistic composite fabric designed for body armor.



MC 7271-01
PP and PET fabric that combines a layer of woven tape with a layer of felt incorporated through the thickness of the fabric. The combination increases dimensional stability and water retention, while decreasing permeability.

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