

August **MMU**

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 to have been added to the database, upon their acceptance by our regular jury process.

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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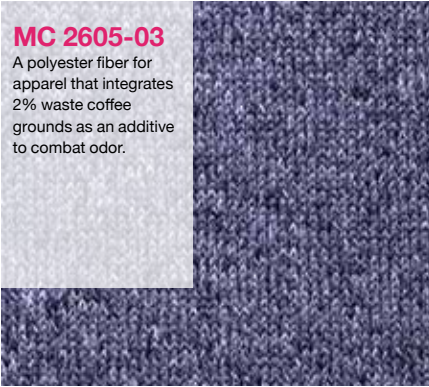
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MC 2605-03

A polyester fiber for apparel that integrates 2% waste coffee grounds as an additive to combat odor.



MC 2605-04

Multi-layer insulation batting composed of post-consumer recycled PET bottles that incorporate waste coffee grounds to combat odor.



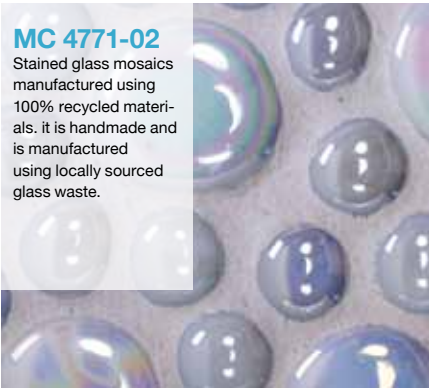
MC 4755-03

Cryogenic temperature insulation blanket that uses aerogel to enhance thermal properties.



MC 4771-02

Stained glass mosaics manufactured using 100% recycled materials. It is handmade and is manufactured using locally sourced glass waste.



MC 4805-06

Soft, flexible two-layer elastomeric polyurethane film which has an enhanced modulus and good recovery.



MC 4805-07

Mono-layered and co-extruded thermoplastic films which improve manufacturing processability for flame and heat lamination.



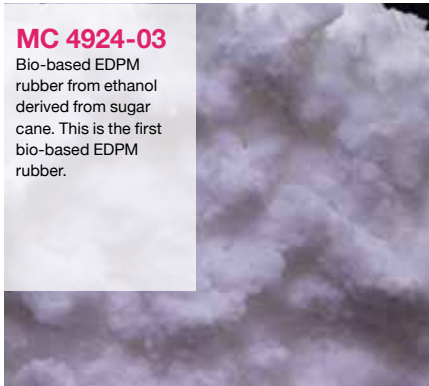
MC 4805-08

A range of two-layer polyurethane (PU) tapes for water proofing sewn seams. These materials contain no VOCs are strong and resilient.



MC 4924-03

Bio-based EDPM rubber from ethanol derived from sugar cane. This is the first bio-based EDPM rubber.



MC 5296-07

Acrylic (PMMA) composite foil for the covering of solid surfaces. The foil has been designed to withstand a number of climatic conditions.



MC 5296-08

Polymer film with a metal effect composed of 30% poly-ethylene terephthalate (PET), 25% UV ink, 25% aluminum particles and 20% polyvinyl chloride (PVC).



MC 5612-03

Embossed metallic surfacing material. Manufactured by laminating phenolic resin-impregnated kraft sheets with an aluminum foil and an epoxy varnish protective layer.



MC 5654-04

Durable polyurethane membrane containing dispersed micron sized metallic powder, acting to reflect body heat to keep the wearer warm.



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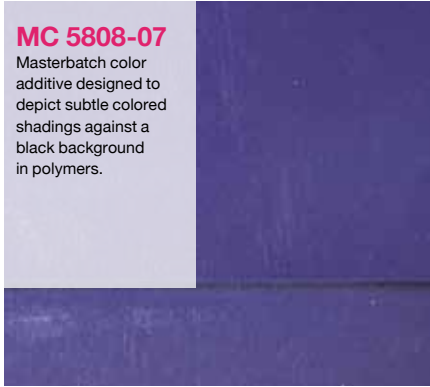
MC 5790-07

Closed-cell, thermoplastic, structural foam for composite manufacture, designed for use with all resin systems and processing technologies.



MC 5808-07

Masterbatch color additive designed to depict subtle colored shadings against a black background in polymers.



MC 6380-02

Thermoplastic honeycomb core material that allows energy savings by reducing the weight of the logistic and packaging materials.



MC 6877-02

Glazed ceramic tiles finished with an electroplated coating. 3-D modeled designs are prototyped and sent to a factory where a steel mold is made.



MC 6971-06

Viscose fibers with a trilobal (Y shaped) cross-section that offer enhanced absorption.



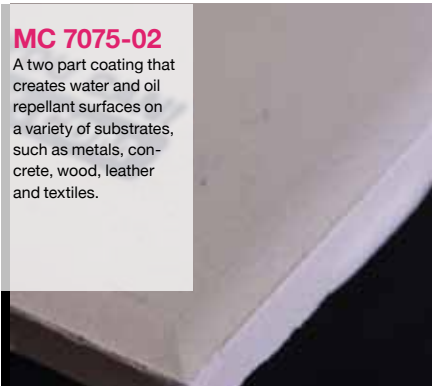
MC 7073-02

Knit textile comprised of two types of fibers: 100% post-consumer recycled (PCR) PET bottles; the second fiber is a combination of PCR PET and bamboo charcoal particles.



MC 7075-02

A two part coating that creates water and oil repellant surfaces on a variety of substrates, such as metals, concrete, wood, leather and textiles.



MC 7072-02

Compact, lightweight magnetic buckle fastener composed of either polycarbonate or glass fiber reinforced polyamide (nylon).



MC 7072-03

Compact, light magnetic rotary fastener which closes automatically and can be opened with a half turn.



MC 7083-01

Nylon 6,6 fiber that incorporates minerals within the polymer matrix to promote blood micro-circulation in the skin and thermal regulation.



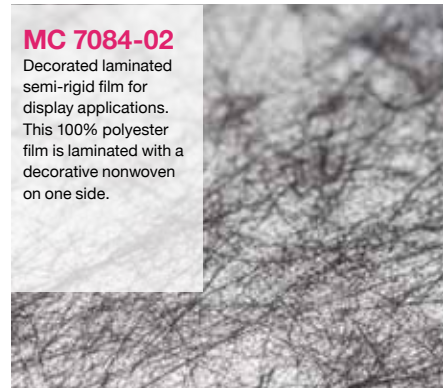
MC 7084-01

Translucent semi-rigid sheet that has the appearance of parchment paper. It's made of 80% polyvinyl chloride (PVC) and 20% cellulose fibers.



MC 7084-02

Decorated laminated semi-rigid film for display applications. This 100% polyester film is laminated with a decorative nonwoven on one side.



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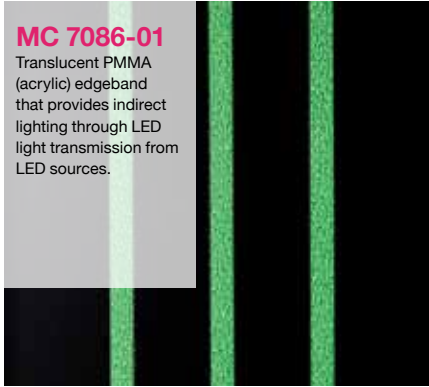
MC 7085-01

Solid surfacing from 100% acrylic used for vertical and horizontal applications. The material is durable, resistant to scratching, has good impact and heat resistance.



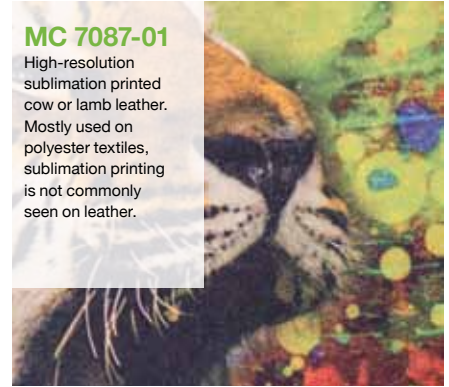
MC 7086-01

Translucent PMMA (acrylic) edgeband that provides indirect lighting through LED light transmission from LED sources.



MC 7087-01

High-resolution sublimation printed cow or lamb leather. Mostly used on polyester textiles, sublimation printing is not commonly seen on leather.



MC 7087-02

A composite textile that is comprised of natural cork backed with a woven cotton stabilizer and polyurethane (PU).



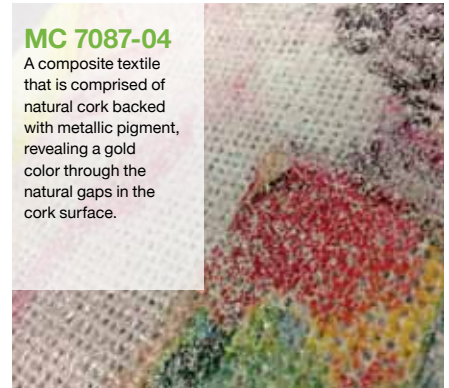
MC 7087-03

Pig suede skins imprinted with designs via thermal transfer printing. The design is printed on thermal transfer paper, which is then applied to the leather.



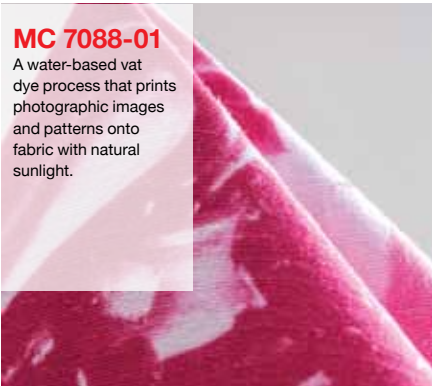
MC 7087-04

A composite textile that is comprised of natural cork backed with metallic pigment, revealing a gold color through the natural gaps in the cork surface.



MC 7088-01

A water-based vat dye process that prints photographic images and patterns onto fabric with natural sunlight.



MC 7089-01

Non-porous, quartzite-based material that is used for bath and sink construction. This composite of 80% quartzite and 20% polymer resin.



MC 7090-01

This high performance polyphenylene sulphide (PPS) fiber is used for high heat and flame resistance applications.



MC 7090-02

Meta-Aramid fibers with high strength, heat resistance, electrical insulation, and flame retardance that can be dyed.



MC 7091-01

Non-welded metal grating composed of mechanically interlocked metal rods. It is manufactured using a process which removes the need for the welding or fixation of the metal bars.



MC 7092-01

Through thickness color solid surfacing tile designed to withstand high temperatures and consequent mechanical failures due to thermal shock.



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MC 7092-02

Through thickness color solid surfacing tile which contain additives to purify their operating environment by means of a chemical process similar to that used by plants to generate energy from the sun.

MC 7092-03

Through thickness color solid surfacing tile that possesses a high resistance to humidity and water penetration typical of outdoor conditions.

MC 7092-04

High mechanical performance tiles which are also able to withstand extremely high temperatures and consequent mechanical failures due to thermal shock.

MC 7093-01

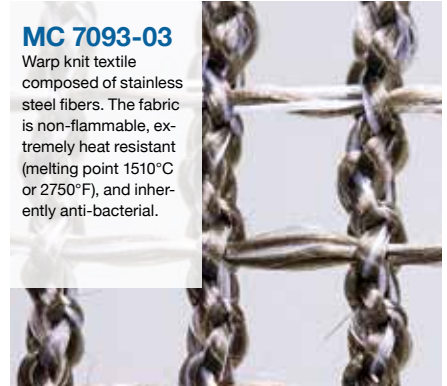
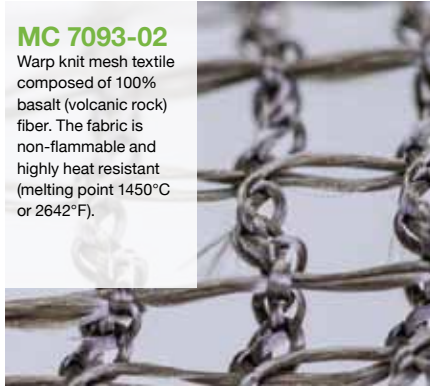
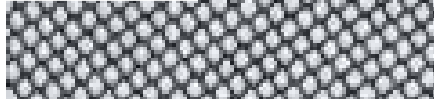
Lightweight, flexible bobbinet tulle fabric composed of 91% polyamide (PA 6.6) yarn coated with pure silver (9%).

MC 7093-02

Warp knit mesh textile composed of 100% basalt (volcanic rock) fiber. The fabric is non-flammable and highly heat resistant (melting point 1450°C or 2642°F).

MC 7093-03

Warp knit textile composed of stainless steel fibers. The fabric is non-flammable, extremely heat resistant (melting point 1510°C or 2750°F), and inherently anti-bacterial.



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