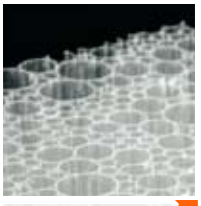
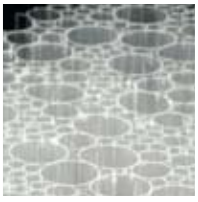
MATERIALS UPDATE

Material ConneXion®

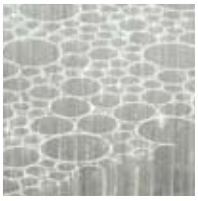
MAR 2008

MC#: 0139-11
A coating process that enables dark textiles to reflect infrared radiation, thus keeping cooler in the sun. This technology also complies with the bluesign® environmental health and safety standards. It is used for outdoor apparel.



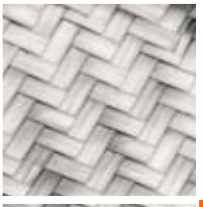
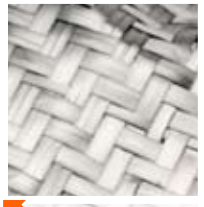
MC#: 0119-02
Translucent honeycomb panel for decorative applications which consists of randomly arranged polycarbonate tubes with various diameters (2.5-12 mm). Applications are for room dividers and tabletops.



MC#: 2345-05
This translucent range of woven textiles incorporates an adhesive film that allows it to be easily secured to any solid, dry surface, including windows. The shades are used for privacy and shading for interior screens.



MC#: 5167-03
Injection moldable resin that is from the renewable resource wood, typically used for consumer products. The resin is a cellulose acetate polymer (from 100% softwood pulp) that has good toughness, strength, and surface gloss.

MC#: 3077-03
Interference effect glitter pigment gives paint, coatings, plastics, textiles and packaging the ability to exhibit a wide range of hues when viewed at different angles. The pigments may be added to paints, plastics and packaging.




MC#: 5641-03
Stiff thermoplastic composite that is fully recyclable. This 100% PP woven textile has good impact resistance and stiffness. It is intended for molded applications such as architectural panels and consumer products.

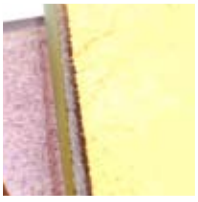
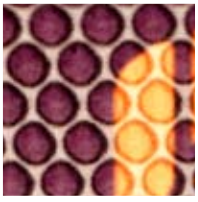
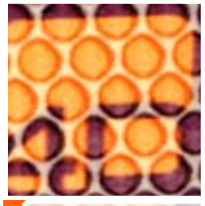

MC#: 6046-05
Yarns from thin strips of wood veneers. Wood species such as Yaku cedar, cypress and beech are sliced from timber 0.1 mm thick and then cut into thin strips approximately 1 mm wide. The strips are used as drapery wall hangings.



MC#: 6046-04
Highly flexible textiles produced from combining wood veneer and silk. They may be dyed using organic pigments, sewn, glued, and folded. Applications include accessories and other high end textile applications.



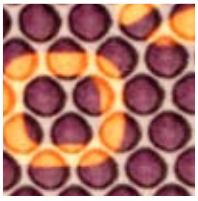
MC#: 6046-06
Flexible, elastic, translucent wood veneer that is produced from Yaku cedar and other species. Thin strips are cut from the wood and then woven together with yarn. The fabrics are used for shoe upholstery and cloth bags.

MC#: 6166-02
These lightweight panels consist of two thin top layers (aluminum sheet or fiber-reinforced composites) and a lightweight pressure-resistant core material (100% polypropylene foam). Currently used as formwork panels.

MC#: 6154-02
Handcrafted glass mosaic tiles with inlayed 24 carat gold or silver leaf. Unlike other gold mosaic tiles, the gold leaf is completely embedded and safely sealed in the glass using a vacuum process which makes them waterproof and frost resistant.





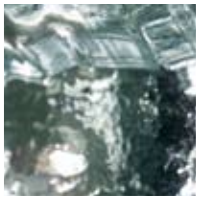
MC#: 6166-01
Transparent decorative films with optical depth effect (4D effect). This technology allows for a variety of depth effects to be realized in PA or PET films. Applications are for protective films, and top sheets of sporting goods (skis, snowboards).


127 West 25th Street, 2nd floor New York, NY 10001 T 212 842 2050 F 212 842 1090 E info@materialconnexion.com W www.materialconnexion.com

MATERIALS UPDATE

Material ConneXion®

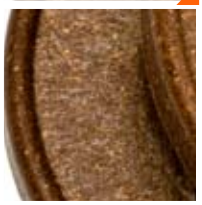
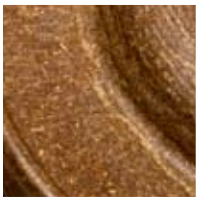
MAR 2008

MC#: 6168-01
Natural fiber reinforced granulate that consists, depending on the application, of 20-50% flax fibers in combination with polypropylene (PP), polyethylene (PE), or polyamide (PA). Applications are for injection molded and extruded products.

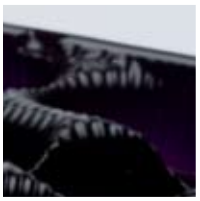
MC#: 6169-01
Decorative, transparent natural fiber composite. The injection molding granulate is based on polypropylene (95%) and has a low content of natural fibers, which produce a decorative multi-spot optic.


MC#: 6167-01
Glass bricks with integrated LED lighting for exterior and interior applications. These glass bricks are made of hard glass (borex), which is usually used in the automotive industry for the production of headlights.

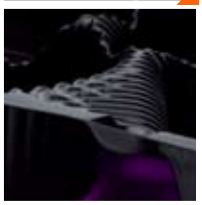



MC#: 6170-01
Computer-controlled surface finishes on stainless steel allow for unique productions, that means that during production, the embossed patterns can change from panel to panel within one run. Used for facades and ceilings.

MC#: 6171-01
100% biodegradable synthetic consisting of cornstarch (90%) and water (10%). The material is water soluble and compostable. Applications are for secondary packaging and injection molding applications.





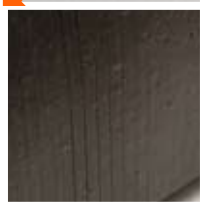



MC#: 6172-01
This wood fiber composite (WPC) consists of natural wood fibers (50 to 75%) and a thermoplastic resin (25 to 50% PP or PE). Applications are for products for interior and exterior projects.

MC#: 6174-01
Ethylene vinyl acetate (EVA) foam made from recycled post-industrial shoe insole waste. The foams may be formed into sheets or molded to product custom shapes as packaging and other and consumer products.





MC#: 6174-02
Recycled thermomolding polymer made from recycled ethylene vinyl acetate (EVA) and recycled polyethylene (PE). The molded foam is available in a variety of colors for applications for cosmetic cases and packaging.

MC#: 6174-03
Moldable polyethylene terephthalate (PET) made from recycled bottles and other packaging goods. Applications are for packaging, toys, containers, and disposable goods.





MC#: 6175-01
Leather floor tile system that incorporates aluminum banding between tiles. These chrome-free tanned leathers are available in a range of colors, textures, thicknesses and with the option of foam backing to give greater cushioning.

MC#: 6174-04
Recycled polymer made from recycled ethylene vinyl acetate (EVA) and recycled polyethylene (PE). The final product is thin and flexible with a rubbery texture. Applications are for consumer goods.

MC#: 6174-05
Vacuum formable recycled polystyrene (PS) made from yogurt cups and other consumer goods. The polymer is composed of 100% recycled PS from post-consumer waste. Applications are for packaging.



127 West 25th Street, 2nd floor New York, NY 10001 T 212 842 2050 F 212 842 1090 E info@materialconnexion.com W www.materialconnexion.com

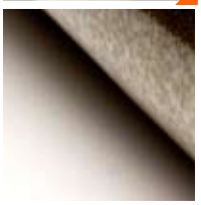
MATERIALS UPDATE

Material ConneXion®

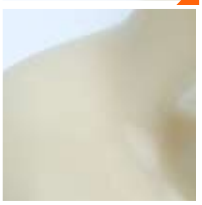
MAR 2008

MC#: 6176-01
Iridescent color-shifting inks which are printed and cured using ultra-violet (UV) light. After curing, the ink will change color depending upon the viewing angle. Applications are for labels and packaging.

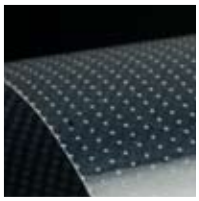
MC#: 6178-01
Food ingredients such as rice are used to produce this non-toxic, non-volatile, strong wood adhesive. This adhesive is best used for wood flooring, laminating lumber, paper, cloth, furniture, and other wood-based products.

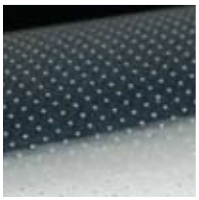


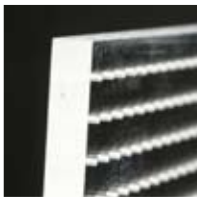
MC#: 6177-01
Paper that is completely and quickly dissolvable in water. This paper looks, feels and tears like ordinary paper. The paper is manufactured from a polyvinyl alcohol (PVA) based resin. Used for graphic arts, printing, and food service.



MC#: 6178-02
Hand crafted Japanese lime plaster tiles that are manufactured using considerably lower carbon dioxide emissions than traditional ceramic. Applications are for wall and floor design.



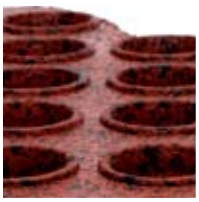




MC#: 6179-01
Microperforated sound absorbing foils and sheets that can be mounted over glass panels. Thin transparent, translucent, or metallic sheets of polycarbonate are perforated with sub-millimeter sized holes. Used for offices and museums.

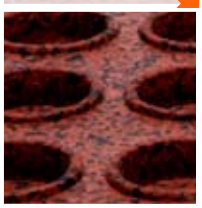
MC#: 6179-02
Microperforated sound absorbing panels that can be mounted over glass panels. The panels can be mounted or suspended using hardware of the designer's choice. Applications include lobbies, atria, museums, and other areas.

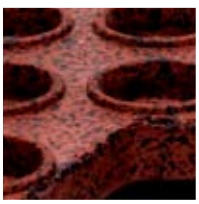
MC#: 6181-01
Rubber paving blocks made from 100% rubber (natural and synthetic). The interlocking floor tiles have high impact absorption, UV and weather resistance, offer anti-slip properties and are water permeable.



MC#: 6182-01
Compostable polymer films used for the production of disposable bags. The films are composed of a blend of Ecoflex, polylactic acid (PLA) and additives. The films find use as biodegradable and compostable packaging films.

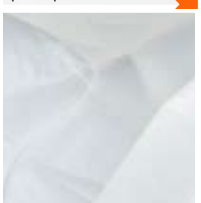
MC#: 6180-01
Molded polymer profiles for packaging applications that utilize 100% post consumer recycled materials. They are lower cost alternatives to PU, PE and PP foams.They are used to package consumer products.

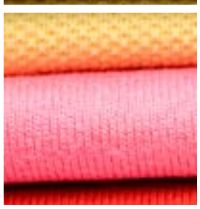




MC#: 6182-02
Stretchable film for use as a hood for packaging produces on pallets. This blown film EVA and polyethylene (PE) blend polymer is clear but can be pigmented any color or printed onto. It is used as a packaging material for pallet packed items.

MC#: 6183-01
This durable Wood Plastic Composite (WPC) is produced by an extrusion machine, the fiber/plastic mixed extrude through a die that creates solid or and hollow flat planks. Used for exterior and interior flooring.





MC#: 6184-01
Knitted textile treated with a natural mosquito repellent. Small amounts of an herb with naturally occurring anti-mosquito properties are micro-encapsulated and incorporated into knitted textiles.

127 West 25th Street, 2nd floor New York, NY 10001 T 212 842 2050 F 212 842 1090 E info@materialconnexion.com W www.materialconnexion.com

MATERIALS UPDATE

Material ConneXion®

MAR 2008

MC#: 6185-01
Bio-active fabrics that are used in wound dressings for improved healing. These cellulose based fabrics are made from bacteria cultured in pineapple juice. They incorporate a hydrogel that have been proven to prmote wound healing.

MC#: 6186-01
Twill fabrics made from pesticide-free wool and organic ramie processed using non-toxic, bio-degradable methods. These products have been certified Gold by Cradle-to-Cradle℠. Applications are for residential upholstery and footwear.

MC#: 6187-01
Formaldehyde-free wood veneers made from thin strips of a single species of wood. The veneers are 100% wood and are not chemically treated. Applications are for furniture, cabinetry, and moldings.

MC#: 6188-01
A range of wood polymer composites (WPCs) that use agricultural fibers and either virgin or recycled polyolefins for rigid panel boards. The panels have similar sound dampening qualities to plywood and have improved fire retardance.

MC#: 6188-02
A range of wood polymer composite (WPC) compounds that use rice hulls and either virgin or recycled polyolefins. Used dor dashboard and headliners in automotive, doors, decks, and roofing panels.

MC#: 6189-01
Biodegradable and compostable polymer that is suitable for molding into durable containers. The resin is currently being molded into bath and kitchen containers but is suitable for other injection molded consumer products.

127 West 25th Street, 2nd floor New York, NY 10001 T 212 842 2050 F 212 842 1090 E info@materialconnexion.com W www.materialconnexion.com