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Sand texture PVC/acrylic sheet

A new Sand Surface texture of PVC/acrylic sheet for thermoforming, fabricating and membrane pressing has been introduced by Boltaron Performance Products. Developed initially for aircraft interiors requiring a non-glare surface that is attractive, resistant to soiling and easy to clean rapidly, the texture is now offered as a standard on all Boltaron sheet products utilized for mass transit interior components, industrial parts and building products, as well as aircraft components. The new texture and other standards, including Coarse Matte, Felt, Haircell, Levant, Mesa and Suede, are said to retain their three-dimensional appearance during vacuum forming and membrane pressing operations. Also available is an unlimited selection of custom textures with low minimums. Sheet products available with the new texture range in thickness from 0.018 in. (0.46 mm) to 3.0 in. (76.2 mm), exhibit impact resistance to 20 ft-lbs/in (1059 J/m) and are offered in unlimited colors, metallics and patterns with FAR 25.853 (a) and (d), ABD-0031, BSS-7239, MVSS Docket 90 and 90A, UL 94 V-0 and 5V, Class 1-A, ASTM E-84 and FM 4910 fire ratings. The sheet is produced in the only U.S. facility with combined calendaring, extrusion and press laminating capabilities, allowing in-line and off-line production of high performance monolithic and composite sheet products having specialized attributes. (740) 498-5900, www.boltaron.com.

Makrolon® MAK 15 PC sheet

Bayer MaterialScience LLC has reported that its Sheffield Plastics business has gained approval for its Makrolon® MAK 15 polycarbonate sheet as a high impact, break-resistant clear glazing material from the New York State Office of Mental Health. The state agency approved the new product for exterior and interior applications after the material met rigorous performance standards for human impact, flammability and weathering life. These standards often serve as a benchmark for public facilities in other states as well. According to the manufacturer, Sheffield Plastics, Makrolon MAK 15 is the result of a five-year R&D program with its parent-company Bayer Material-Science LLC. In addition to its inherent break-resistance, the new material delivers up to twice the abrasion resistance and weathering life due to UV exposure over prior polycarbonate sheet materials. As a result, it provides longer life and reduced maintenance for external glazing and for interior partitions, windows and doors. (800) 628-5084, www.sheffieldplastics.com.



IR110 Plus® fusion joining machine

In response to customer demand for expanded pipe joining machine capabilities, GF Piping Systems has introduced IR110 Plus® fusion joining machine for welding of the company's thermoplastic piping systems from 1/2" through 4" sizes. The new machine is based on the proven design of earlier models and is substantiated with more than two years of development and testing. Previously, some pipe installations would require two separate machines — an IR63 Plus fusion machine to join 1/2" through 2" and an IR225 Plus machine to join 2" through 8". The new IR110 Plus machine eliminates the need for two separate machines for jobs that

require only sizes up to 4" (110 mm), offering convenience and cost-savings for the user. "The IR110 Plus machine was introduced to provide added convenience at the job site," points out Martin Frueh, GF Piping Systems machine product manager. "This is especially important for installations in life sciences, universities, laboratories and DI water applications where pipe sizes typically run the gamut from 1/2" through 4". Other applications may only require 1/2" through 2" where limitations imposed by different pipe sizes were not an issue." The IR110 Plus is suitable for use with GF Piping Systems' SYGEF® Standard, SYGEF® Plus, PROGEF® Standard, PROGEF® Natural and optional PFA pipe and fittings. (800) 854-4090, www.gfpiping.com.



Acetal and nylon stock shapes

Ensinger offers a wide range of engineering plastics that are ideal for machining a variety of parts. Produced in ISO 9001:2000 certified facilities from premium grade resins, Ensinger materials show consistently low internal stress that leads to dimensional stability and the ability to hold tighter tolerances. Based on the application, designers can choose from several popular brand name products, including DELRIN®, TECAFORM™, TECAMID™ and TECAST™. DELRIN and TECAFORM are acetal products that are used extensively in bushings, bearings, pulleys and other wear products. TECAFORM, an acetal copolymer can be found in general industrial bushings, rollers and pulleys. Ensinger's DELRIN shapes are made from homopolymer resin manufactured by DuPont. TECAMID and TECAST are nylon products. TECAMID, used in bushings, bearings, pulleys and other wear parts, is extruded nylon that is chemically resistant to hydrocarbons, ketones and esters. TECAST, a cast nylon, provides an excellent combination of bearing properties, toughness, strength and light weight. (800) 243-3221, www.ensinger-online.com.



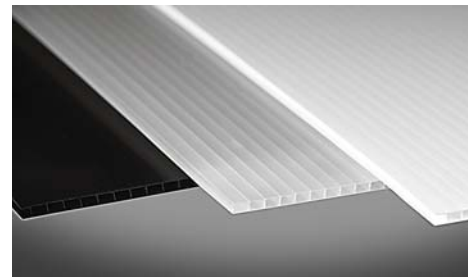
Pipe receives NSF Certification

NSF International today announced that Charlotte Pipe and Foundry Company's RePVC™ (polyvinyl chloride) and ReUze™ can now be added to the company's list of products certified by NSF International, an independent, not-for-profit organization committed to protecting and improving public health and the environment. Both piping systems were inspired by the green and sustainability industries. According to Charlotte Pipe, there are three sources of non-potable water: rainwater, gray water and municipally supplied reclaimed water. Non-potable water systems are great for applications that do not require water, which have been treated to drinking water standards. NSF International's certification for water piping systems verifies that the products meet all applicable requirements by conducting thorough testing and facility inspections. ReUze, a purple CPVC piping system for distributing non-potable water *inside* the building, is directly aimed at increasing water efficiency. The line pipes are purple to differentiate non-potable water from potable water. RePVC is a PVC pipe that uses recycled content as the center layer. It expands the market for recycled materials, slows the consumption of raw materials and reduces the amount of waste entering landfills. (800) 438-6091, www.charlottepipe.com.

Carbon nanotube-enhanced plastics

Quantum Polymers has introduced Quantano® extruded stock shape plastic products made with TEGO™ polymers, featuring carbon nanotube technology, manufactured by Entegris. The new Quantano product line using TEGO polymers can provide improved mechanical strength, homogenous controlled electrical conductivity for superior ESD (electro-static discharge) performance, higher operating temperature, superior dimensional stability

and better aesthetics for manufacturers in multiple industries. "TEGO polymers are manufactured using proprietary technology to enhance the dispersion of the carbon nanotubes in the polymer," said Shawn Cheesman, general manager for Entegris. "As a result, stock shapes have very consistent ESD, excellent dimensional stability and improved toughness that can be used in many new high performance products for the semiconductor, data storage, aerospace and medical industries." Carbon nanotubes confer tremendous benefits to stock shape plastic products since they do not adversely affect the base resin material, as is the case with carbon powder or carbon fiber. Furthermore, TEGO polymers can be processed on conventional thermoplastic equipment, such as injection molding, extrusion and compression molding processes. At the OEM level, TEGO polymers, formed into Quantano stock shapes, can be used to replace metal parts and can be used in new and existing areas, such as semiconductor material handling, chemical cleaning systems, sockets, gaskets, rings, bushings, bearings, seals and valves. (877) 737-7012, www.quantum-polymers.com/quantano.



Omni-Flute™ graphic display board

3A Composites USA has announced the latest addition to its lines of graphic display boards — Omni-Flute™, a fluted polypropylene sheet designed for creating cost-effective short-term signage and point-of-purchase displays. Omni-Flute is geometrically square and color consistent. It features a smooth, treated surface that accepts direct digital printing and screen-printing applications as well as paint. It can be die-cut and knife-cut and accepts repositionable vinyl graphics. And, new Omni-Flute is fully recyclable. Omni-Flute offers graphic designers and fabricators a cost-effective solution for creating short-term signs and displays. Omni-Flute is now available in the Bright White, Black and Natural (clear) colors. (800) 626-3365, www.graphicdisplayusa.com.



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KNOWLEDGE
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ARE YOU READY? IAPD has launched level two of the IAPD Plastics Certificate program! Level two puts all the information learned in level one — plastics materials and properties — to practical use with applications from a variety of markets. Be one of the first to pass the test! Apply today!

Although it comes in the form of a test, it's meant to serve as a learning tool. It evaluates your ability to help your customer by providing customer service solutions. You will not always know all of the answers, but in order to be a successful distribution professional, you must know where to find them. This test gives you the practice to help you accomplish that goal.

Candidates must currently be employed within the plastics distribution industry and must also adhere to the IAPD Code of Ethics, available at www.iapd.org. Level two candidates must have also successfully passed the level one certificate program.



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