

Press Release

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Quantum Polymers and Entegris, Inc. Partner to Offer New Line of Carbon Nanotube-Enhanced Plastic Products

Quantano® Stock Shape Plastics Can Replace Parts in Many Semiconductor, Gas / Oil, Clean Energy, Healthcare and Aerospace Applications

Newark, Del. -- May 3, 2010 – Quantum Polymers today announced the introduction of Quantano® extruded stock shape plastic products made with TEGO™ polymers, featuring carbon nanotube technology, manufactured by Entegris (Nasdaq: ENTG) of Billerica, Mass. 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. Working with Quantum Polymers allows us to offer TEGO polymers in a broader range of options than ever before and we are excited to have TEGO polymer stock shapes available to a wider range of potential customers.”

Carbon nanotubes confer tremendous benefits to stock shape plastic products as 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.

Detailed technical information can be obtained by visiting www.tegopolymers.com and www.quantum-polymers.com/quantano.



Quantum Polymers is offering Quantano extruded rods and plates, including CNT-filled PC, PEI and PEEK. Quantano rods are available from 3/8" to 6" diameter whereas plates are available from 3/8" to 5" thickness.

"We are pleased to announce the immediate availability of the Quantano family of carbon nanotube-based materials," said Hemant Bheda, CEO of Quantum Polymers. Quantano will help us enhance further our value proposition objectives, in terms of offering value added high performance plastic products for a wide range of exciting applications."

About Entegris

Entegris is a leading provider of a wide range of products for purifying, protecting and transporting critical materials used in processing and manufacturing in the semiconductor and other high-tech industries. Entegris is ISO 9001 certified and has manufacturing, customer service and/or research facilities in the United States, China, France, Germany, Israel, Japan, Malaysia, Singapore, South Korea, and Taiwan. Additional information can be found at www.entegris.com.

About Quantum Polymers

Quantum Polymers, based in Newark, Delaware, provides engineering and high performance plastic stock shape products and engineering services for industrial applications. The company operates an extrusion plant in Delaware and contracts with select overseas partners to meet worldwide product demand. For those applications that require physical, mechanical and electrical properties beyond the reach of standard off-the-shelf plastics products, Quantum offers engineering assistance to develop custom formulated, reinforced materials. Please visit www.quantum-polymers.com for additional information.