HCL Relies on New Flexible Fortron® PPS from Celanese to Produce Reliable Cable Ties for Oil and Gas Pipelines

Delivers in the Most Extreme and Challenging Environments

Sulzbach, Germany, Florence, Ky., Shanghai, PR China, Oct. 16, 2013 – Celanese Corporation (NYSE: CE), a global technology and specialty materials company, today introduced a new flexible Fortron® polyphenylene sulfide (PPS) that will enable HCL to replace traditional PEEK cable ties used by the oil and gas industry.

“Corrosion and chemical resistant Fortron PPS with improved flexibility is ideal for the HCL line of plastic cable ties for pipelines because it delivers performance in some of the most extreme and challenging environments,” said Peter Radden, market development, Industrial Business Unit at Celanese. “It is ideal for products that are constantly exposed to the weather and must withstand enormous tensile forces.”

Cable ties, traditionally made from polyamide (PA), polyetheretherketone (PEEK) or steel, are used to tie oil and gas pipes together when they are pulled into the sea and then hold them together during high-temperature operations.

Fortron PPS-based Smart® Tie and Smart® Band cable ties from HCL in the United Kingdom will be available in longer than commonly found lengths of about 70 centimeters (27.5 inches). They demonstrate the ideal combination of dimensional stability, ductility and resistance to hydrolysis.

They owe their reliability to a complex interaction of polymers. The clip of the clamp made from glass fiber-reinforced Fortron PPS interlocks in the teeth adapted to the pipe radius made from a more flexible material, which ensures a firm and reliable fitting. A patented Celanese technology, free from plasticizer, ensures greater flexibility of the polyphenylene sulfide, which is a hard, stiff polymer. In cable ties, this flexibility enables the teeth to
securely lock as well as tightly fit to the pipe. This allows HCL to manufacture versions of cable ties adapted to pipe diameters.

The cable ties are generally used in the oil and gas industry to fasten cables, sensors or protective coverings that are primarily underwater. Metals, polyamides or other high-temperature thermoplastics reach their failure limit in these service conditions and can be replaced by these ties due to their temperature and chemical resistance.

“Fortron PPS is frequently used to replace metals based on the excellent resistance to acids, alkaline solutions, solvents and liquids containing petroleum. This flexible material also tolerates high temperatures that, of course, arise in connection with fuels.”

Other typical applications for Fortron PPS include aircraft and automobile construction as well as in the oil and gas industry.

About Celanese

Celanese Corporation is a global technology leader in the production of differentiated chemistry solutions and specialty materials used in most major industries and consumer applications. With sales almost equally divided between North America, Europe and Asia, the company uses the full breadth of its global chemistry, technology and business expertise to create value for customers and the corporation. Celanese partners with customers to solve their most critical needs while making a positive impact on its communities and the world. Based in Dallas, Texas, Celanese employs approximately 7,600 employees worldwide and had 2012 net sales of $6.4 billion. For more information about Celanese Corporation and its product offerings, visit www.celanese.com or our blog at www.celaneseblog.com.

About HCL

HCL is uniquely placed to provide a first class clamping service thanks to its long term exclusive arrangements with high quality clamping suppliers around the world and its ability to manufacture a variety of clamping products and fitting tools. Founded in 1994, HCL was originally known for the manufacture and supply of the original double grip plastic hose clamp, the Herbie Clip®. Since then, HCL has established a focused range of products which specialize in plastic clamping and banding; including Smart Band®, Smart Tie™ and the Ezyclik®. Based in Bath, England, HCL has an established office in Houston and worldwide distribution.

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New Flexible Fortron® PPS — HCL in the United Kingdom relies on flexible, corrosion and chemical resistant Fortron® polyphenylene sulfide (PPS) for its cable ties that will be available in extreme and challenging oil and gas environments.