



NEWS RELEASE

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New DYNALLOY™ TPE Grades Cut Cycle Times, Offer Broader Application and Processing Choices

Innovative alloys offer faster set-up and improved tear strength vs. unfilled styrenic TPEs, and bond to both LDPE and PP

CHICAGO – June 23, 2009 – PolyOne’s GLS Thermoplastic Elastomers business unit, a global leader in high-performance, custom-formulated thermoplastic elastomers (TPEs), is exhibiting new DYNALLOY™ TPE grades at NPE 2009 that offer important benefits to injection molders and extruders, including faster cycle times compared to unfilled styrenic TPEs.

The DYNALLOY 8900 materials can reduce set-up time for higher productivity, and solve a persistent technical challenge by bonding to both low-density polyethylene (LDPE) and polypropylene (PP). The dual bonding grades eliminate a requirement for two separate TPEs, and are ideal for two-shot overmolding and insert molding in consumer, personal care, and packaging applications.

The DYNALLOY 8900 portfolio includes three grades with 30, 60, and 80 Shore A hardness along with a specific gravity of 0.89. As a custom compounder, GLS can further adapt the hardness and flow of these materials to the specific needs of manufacturers and OEMs.

“We have created a new family of TPEs that address ongoing demands from molders for greater speed, simplicity and versatility,” said Walter Ripple, general manager, GLS Thermoplastic Elastomers. “Not only do DYNALLOY 8900 grades surpass styrenic TPEs in cycle time speed, but they also offer greater process flexibility with the ability to be injection molded or extruded, and be overmolded successfully onto two different substrates. Any time a TPE can be processed in multiple ways and work with more than one thermoplastic, it’s a win for the customer. Our development teams are always looking for new technologies to help customers optimize their processes and reduce complexity.”

Outstanding Properties

DYNALLOY 8900 TPEs provide a number of notable performance properties, including enhanced tear strength for greater part longevity. Compared to thermoplastic vulcanizates (TPVs), these materials offer up to 20 percent better tear strength, making them an excellent choice for seals and caps in a variety of packaging applications. These translucent grades can also be colored easily using the same concentrates used for TPVs and styrenic TPEs.

The materials set up quickly, enabling parts to be completed 10 to 15 seconds faster than unfilled styrenic TPEs. They can be processed using two-shot overmolding, insert molding, or extrusion.

About GLS Thermoplastic Elastomers

GLS Thermoplastic Elastomers, acquired by PolyOne in January 2008, is a global leader in the development, manufacture, and supply of high-performance, custom-formulated thermoplastic elastomers (TPEs). Please visit our Web site at www.glstpes.com for additional information on GLS Thermoplastics Elastomers.

About PolyOne

PolyOne Corporation, with 2008 annual revenues of \$2.7 billion, is a premier provider of specialized polymer materials, services and solutions. Headquartered outside of Cleveland, Ohio USA, PolyOne has operations around the world. For additional information on PolyOne, visit our Web site at www.polyone.com.

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Media contacts

Sandy Wagner
GLS Marketing Communications Manager
+1 815-385-8500
swagner@glscorp.com

Michelle Maniscalco
PolyOne Media Relations Manager
+1 440-930-1988
michelle.maniscalco@polyone.com