

NEWS RELEASE

FOR IMMEDIATE RELEASE

Comfort Meets Design Freedom in New Overmolding Solution from Versaflex[™] VDT Vibration Damping TPE Portfolio

McHENRY, III. – March 17, 2015 – PolyOne GLS Thermoplastic Elastomers today announced the launch of an overmolding technology based on Versaflex[™] VDT thermoplastic elastomer (TPEs), developed for vibration and impact damping applications. Versaflex VDT for overmolding enables a better end-user experience for consumer electronics, power tools, sporting goods, appliances, and basically any product to which manufacturers want to add comfort and resilience.

“Customers familiar with our Versaflex VDT material have asked for an overmolding variation that allows them to leverage the design freedom of two-shot and insert injection molding,” said Charles Page, director, global marketing, PolyOne GLS Thermoplastic Elastomers. “To address this unmet need, we created a new solution that demonstrates our ongoing investment in breakthrough TPE technologies to benefit customers.”

The new material offers excellent bonding to polycarbonate, nylon and other polymers. It reduces vibration that can cause discomfort and potentially lead to muscle and joint damage, and can also help reduce noise by minimizing vibrations transmitted from motors and pumps. Applications range from sports and leisure equipment, lawn and garden tools, and consumer electronics cases to kitchen appliances and power tools.

Versaflex VDT overmolding grades deliver the same great vibration and impact damping performance as the original Versaflex VDT technology, exceeding most thermoset solutions while offering the advantage of thermoplastic design flexibility. Additionally, the PolyOne GLS material is more cost-effective than self-adhesive vibration damping tapes and avoids secondary operations.

Versaflex VDT TPE for overmolding is available in 40 - 60 Shore A hardness levels, and is opaque and colorable. Samples will be on display next week at NPE 2015 in PolyOne’s Customer Innovation Center, Room S230BC.

About PolyOne

PolyOne Corporation, with 2014 revenues of \$3.8 billion, is a premier provider of specialized polymer materials, services and solutions. The company is dedicated to serving customers in diverse industries around the globe, by creating value through collaboration, innovation and an unwavering commitment to excellence. Guided by its Core Values, Sustainability Promise and No Surprises PledgeSM, PolyOne is committed to its customers, employees, communities and shareholders through ethical, sustainable and fiscally responsible principles. For more information, visit www.polyone.com.

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CAPTION: Versaflex™ VDT for overmolding developed for vibration and impact damping in consumer electronics, power tools, sporting goods, appliances, and more.

EDITORS: For a high-resolution image, please click here: [Versaflex™ VDT for overmolding](#)

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