

## **HIGH TEMPERATURE GRADE OF ELASTOLLAN® TPUs EXCEED REQUIREMENTS FOR ELECTRIC AND HYBRID VEHICLE CABLE SHEATHING APPLICATION**

The growing popularity of electric and hybrid vehicles has placed increasing demands on OEMs and automobile manufacturers to offer cable harnesses and leads which withstand greater rigors than ever before, namely increased voltage (1,000 volts or more) and higher temperatures 300°F.



In response, Alliance Polymers & Services, LLC (APS) now offers the latest high temperature grade of BASF Elastollan® TPU (thermoplastic polyurethane) that exceeds the standards required for such applications. Thus, Elastollan 785 A 10 HPM polyester TPU can withstand temperatures up to 300°F (150°C) for up to 3,000 hours and required mandrel tests without showing cracks or deformations, stickiness or excessive color change. In addition, this TPU grade offers the excellent properties normally associated with thermoplastic polyurethanes – lower compression set, good wear and chemical resistance plus high tear and tensile strength. This grade has a typical Shore A hardness of 85.



Further, this latest addition to the Elastollan HPM family is claimed by the company to be less expensive and easier to process than competitive materials. The TPU line is available from company warehousing and distribution facilities in the Midwest and from their East and West coast warehouse locations.

Alliance Polymers & Services, LLC (APS) in Romulus, MI, is a full service warehousing, distribution, shipping and technical service organization dedicated to helping TPE, TPU and other elastomer marketers and processors with all their product and technical support needs. The firm currently markets and supports Polymax Maxelast® TPEs and BASF Elastollan® TPUs. APS is unique in that they offer elastomer materials in quantities large and small (from truckloads down to drums and bags). APS works with a series of independent technical agents located in key cities and markets throughout North America.

For more information on the new Elastollan® HPM grade of TPU for cable sheathings, contact:

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