

BASF Elastollan® 1175AW Polyether Type Polyurethane Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyurethane, TP , Thermoplastic Polyurethane, Elastomer, Ether Grade

Material Notes:

Processed by extrusion or injection molding. Elastollan® 1100 series products are FDA Sec. 177.2600 compliant. Elastollan 1100 series of products are polyether-based thermoplastic polyurethanes. They exhibit excellent low temperature properties, hydrolysis resistance and fungus resistance. These products can be injection and blow molded and extruded. As with all TPU products this grade must be dried prior to processing. Property values below are typical values based on test samples cured 20 hours at 100°C before testing. Information provided by BASF Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Elastollan-1175AW-Polyether-Type-Polyurethane-Elastomer.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	76	76	ASTM D2240
Tensile Strength, Ultimate	30.0 MPa	4350 psi	ASTM D412
Tensile Strength, Yield	4.30 MPa @Strain 100 %	624 psi @Strain 100 %	ASTM D-412
	8.30 MPa @Strain 300 %	1200 psi @Strain 300 %	ASTM D-412
Elongation at Break	740 %	740 %	ASTM D412
Tear Strength	80.0 kN/m	456 pli	ASTM D624

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