BASF Elastollan® 695A15 Polyester Type Polyurethane Elastomer

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

Material Notes:

This grade contains a hydrolytic stabilizer. The Elastollan 600 Series of products listed are products that are part of a new series of polyester-based thermoplastic polyurethanes (TPU). They are specifically formulated for extruded profile, sheet and film applications. They exhibit excellent abrasion resistance, toughness and transparency. With respect to processing they are generally easy to process and have a very wide processing window. In some cases it is as high as 25 to 30°C. As with all TPU products this grade must be dried prior to processing.Property values below are typical values based on molded plaques 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-695A15-Polyester-Type-Polyurethane-Elastomer.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	93	93	ASTM D2240
Tensile Strength, Ultimate	37.5 MPa	5440 psi	ASTM D412
Tensile Strength, Yield	11.8 MPa @Strain 100 %	1710 psi @Strain 100 %	ASTM D-412
	24.4 MPa @Strain 300 %	3540 psi @Strain 300 %	ASTM D-412
Elongation at Break	510 %	510 %	ASTM D412
Tear Strength	135 kN/m	770 pli	ASTM D624
Taber Abrasion, mg/1000 Cycles	25	25	H-18 wheel; ASTM D-1044.

Processing Properties	Metric	English	Comments
Drying Temperature	80.0 - 90.0 °C	176 - 194 °F	Must be dried. Typical condition.
Dry Time	2 - 4 hour	2 - 4 hour	
Moisture Content	<= 0.030 %	<= 0.030 %	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com