

BASF Elastollan® M80A55 Polyester Type Polyurethane Elastomer

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

Material Notes:

The Elastollan M Series of products listed are part of a new series of polyester-based thermoplastic polyurethanes (TPU). They are specifically formulated for fast cycling in Injection Molding applications. Cycle time improvements of up to 25% over standard polyester grade urethanes can be obtained with M-series grades. They exhibit excellent abrasion resistance, toughness, and resistance to fuels. 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-M80A55-Polyester-Type-Polyurethane-Elastomer.php

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	ASTM D2240
Tensile Strength, Ultimate	31.0 MPa	4500 psi	ASTM D412
Tensile Strength, Yield	6.60 MPa	957 psi	ASTM D-412
	@Strain 100 %	@Strain 100 %	
	16.6 MPa	2410 psi	ASTM D-412
	@Strain 300 %	@Strain 300 %	
Elongation at Break	600 %	600 %	ASTM D412
Tear Strength	110 kN/m	628 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

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China