

## BASF Elastollan® M95A55 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-M95A55-Polyester-Type-Polyurethane-Elastomer.php](http://www.lookpolymers.com/polymer_BASF-Elastollan-M95A55-Polyester-Type-Polyurethane-Elastomer.php)

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in <sup>3</sup>	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	95	95	ASTM D2240
Tensile Strength, Ultimate	34.5 MPa	5000 psi	ASTM D412
Tensile Strength, Yield	21.0 MPa @Strain 100 %	3050 psi @Strain 100 %	ASTM D-412
	30.0 MPa @Strain 300 %	4350 psi @Strain 300 %	ASTM D-412
Elongation at Break	410 %	410 %	ASTM D412
Tear Strength	160 kN/m	913 pli	ASTM D624
Taber Abrasion, mg/1000 Cycles	35	35	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.

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