

## BASF Elastollan® S80A Polyester Type Polyurethane Elastomer

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

### Material Notes:

Processed by extrusion or injection molding. Elastollan S series of products are polyester-based thermoplastic polyurethanes that exhibit good hydrolytic stability. They also exhibit good oil, fuel and solvent 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-S80A-Polyester-Type-Polyurethane-Elastomer.php](http://www.lookpolymers.com/polymer_BASF-Elastollan-S80A-Polyester-Type-Polyurethane-Elastomer.php)

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in <sup>3</sup>	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	78	78	ASTM D2240
Tensile Strength, Ultimate	31.0 MPa	4500 psi	ASTM D412
Tensile Strength, Yield	4.80 MPa	696 psi	ASTM D-412
	@Strain 100 %	@Strain 100 %	
	8.30 MPa	1200 psi	ASTM D-412
	@Strain 300 %	@Strain 300 %	
Elongation at Break	750 %	750 %	ASTM D412
Tear Strength	80.0 kN/m	456 pli	ASTM D624
Taber Abrasion, mg/1000 Cycles	25	25	H-18 wheel; ASTM D-1044.
Tensile Set	45 %	45 %	at break; ASTM D-412

## Contact Songhan Plastic Technology Co.,Ltd.

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