

BASF Elastollan® S98A Polyester Type Polyurethane Elastomer

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

Material Notes:

Recommended for 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-S98A-Polyester-Type-Polyurethane-Elastomer.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	98	98	ASTM D2240
Hardness, Shore D	54	54	ASTM D2240
Tensile Strength, Ultimate	42.0 MPa	6090 psi	ASTM D412
Tensile Strength, Yield	19.0 MPa @Strain 100 %	2760 psi @Strain 100 %	ASTM D-412
	32.0 MPa @Strain 300 %	4640 psi @Strain 300 %	ASTM D-412
Elongation at Break	425 %	425 %	ASTM D412
Tear Strength	180 kN/m	1030 pli	ASTM D624
Taber Abrasion, mg/1000 Cycles	70	70	H-18 wheel; ASTM D-1044.
Tensile Set	80 %	80 %	at break; ASTM D-412

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