

BASF Elastollan® S64D 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-S64D-Polyester-Type-Polyurethane-Elastomer.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	ASTM D2240
Tensile Strength, Ultimate	39.0 MPa	5660 psi	ASTM D412
Tensile Strength, Yield	27.0 MPa @Strain 100 %	3920 psi @Strain 100 %	ASTM D-412
	37.0 MPa @Strain 300 %	5370 psi @Strain 300 %	ASTM D-412
Elongation at Break	380 %	380 %	ASTM D412
Tear Strength	220 kN/m	1260 pli	ASTM D624
Taber Abrasion, mg/1000 Cycles	50	50	H-18 wheel; ASTM D-1044.
Tensile Set	135 %	135 %	at break; ASTM D-412

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