

BASF Elastollan® C-60D Polyester Type Polyurethane Elastomer

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

Material Notes:

Recommended for injection molding. Elastollan C series of products are polyester-based thermoplastic polyurethanes that exhibit very good hydrolytic stability. They also exhibit excellent 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-C-60D-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 D	60	60	ASTM D2240
Tensile Strength, Ultimate	43.0 MPa	6240 psi	ASTM D412
Tensile Strength, Yield	24.0 MPa @Strain 100 %	3480 psi @Strain 100 %	ASTM D-412
	42.0 MPa @Strain 300 %	6090 psi @Strain 300 %	ASTM D-412
Elongation at Break	375 %	375 %	ASTM D412
Tear Strength	215 kN/m	1230 pli	ASTM D624
Taber Abrasion, mg/1000 Cycles	50	50	H-18 wheel; ASTM D-1044.
Tensile Set	100 %	100 %	at break; ASTM D-412

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	>= 600 V	>= 600 V	DIN/IRC 112

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