

BASF Elastollan® C-70AW 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 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-70AW-Polyester-Type-Polyurethane-Elastomer.php

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	71	71	ASTM D2240
Tensile Strength, Ultimate	30.0 MPa	4350 psi	ASTM D412
Tensile Strength, Yield	3.10 MPa	450 psi	ASTM D-412
	@Strain 100 %	@Strain 100 %	
	5.60 MPa	812 psi	ASTM D-412
	@Strain 300 %	@Strain 300 %	
Elongation at Break	790 %	790 %	ASTM D412
Tear Strength	65.0 kN/m	371 pli	ASTM D624
Tensile Set	75 %	75 %	at break; ASTM D-412

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