

## BASF Elastollan® C-74D 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-74D-Polyester-Type-Polyurethane-Elastomer.php](http://www.lookpolymers.com/polymer_BASF-Elastollan-C-74D-Polyester-Type-Polyurethane-Elastomer.php)

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

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	73	73	ASTM D2240
Tensile Strength, Ultimate	40.0 MPa	5800 psi	ASTM D412
Tensile Strength, Yield	36.0 MPa @Strain 100 %	5220 psi @Strain 100 %	ASTM D-412
	37.0 MPa @Strain 300 %	5370 psi @Strain 300 %	ASTM D-412
Elongation at Break	335 %	335 %	ASTM D412
Tear Strength	275 kN/m	1570 pli	ASTM D624
Taber Abrasion, mg/1000 Cycles	50	50	H-18 wheel; ASTM D-1044.
Tensile Set	115 %	115 %	at break; ASTM D-412

## Contact Songhan Plastic Technology Co.,Ltd.

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