

Toyobo A1071D Thermoplastic Polyurethane Elastomer, Injection Grade

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

Material Notes:

Polybutyleneadipate type, the most general purpose type of Toyobo Polyurethane; features excellent cost-performance. Various grades of Toyobo polyurethane TPEs are used in auto parts, hoses, tubes, sporting goods, shoe soles, etc. Information provided by Toyobo Co., Ltd

Order this product through the following link:

http://www.lookpolymers.com/polymer_Toyobo-A1071D-Thermoplastic-Polyurethane-Elastomer-Injection-Grade.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	71	71	ASTM D2240
Tensile Strength, Ultimate	51.0 MPa	7400 psi	ASTM D638
Tensile Strength, Yield	25.5 MPa @Strain 100 %	3700 psi @Strain 100 %	ASTM D638
Elongation at Break	380 %	380 %	ASTM D638
Tear Strength	295 kN/m	1680 pli	ASTM D624
Taber Abrasion, mg/1000 Cycles	80	80	H22
Compression Set	45 %	45 %	ASTM D395B

Thermal Properties	Metric	English	Comments
Vicat Softening Point	138 °C	280 °F	ASTM D1525
Brittleness Temperature	<= -65.0 °C	<= -85.0 °F	ASTM D746

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