

Toyobo A1061D 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-A1061D-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	61	61	ASTM D2240
Tensile Strength, Ultimate	46.0 MPa	6670 psi	ASTM D638
Tensile Strength, Yield	20.6 MPa @Strain 100 %	2990 psi @Strain 100 %	ASTM D638
Elongation at Break	450 %	450 %	ASTM D638
Tear Strength	216 kN/m	1230 pli	ASTM D624
Taber Abrasion, mg/1000 Cycles	70	70	H22
Compression Set	40 %	40 %	ASTM D395B

Thermal Properties	Metric	English	Comments
Vicat Softening Point	135 °C	275 °F	ASTM D1525
Brittleness Temperature	<= -65.0 °C	<= -85.0 °F	ASTM D746

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