

Toyobo A1064D 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-A1064D-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	64	64	ASTM D2240
Tensile Strength, Ultimate	47.0 MPa	6820 psi	ASTM D638
Tensile Strength, Yield	22.6 MPa @Strain 100 %	3280 psi @Strain 100 %	ASTM D638
Elongation at Break	440 %	440 %	ASTM D638
Tear Strength	245 kN/m	1400 pli	ASTM D624
Taber Abrasion, mg/1000 Cycles	75	75	H22
Compression Set	40 %	40 %	ASTM D395B

Thermal Properties	Metric	English	Comments
Vicat Softening Point	137 °C	279 °F	ASTM D1525
Brittleness Temperature	<= -65.0 °C	<= -85.0 °F	ASTM D746

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