

Toyobo A3064D Thermoplastic Polyurethane Elastomer, Injection Grade

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

Material Notes:

Polyether type, featuring excellent resistance to hot water and fungus. 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-A3064D-Thermoplastic-Polyurethane-Elastomer-Injection-Grade.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	ASTM D2240
Tensile Strength, Ultimate	44.0 MPa	6380 psi	ASTM D638
Tensile Strength, Yield	20.6 MPa @Strain 100 %	2990 psi @Strain 100 %	ASTM D638
Elongation at Break	400 %	400 %	ASTM D638
Tear Strength	177 kN/m	1010 pli	ASTM D624
Taber Abrasion, mg/1000 Cycles	60	60	H22
Compression Set	40 %	40 %	ASTM D395B

Thermal Properties	Metric	English	Comments
Vicat Softening Point	143 °C	289 °F	ASTM D1525
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D746

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