

Toyobo A2064D Thermoplastic Polyurethane Elastomer, Injection Grade

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

Material Notes:

Polycaprolactone type, featuring a good balance of mechanical strength and chemical resistance. 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-A2064D-Thermoplastic-Polyurethane-Elastomer-Injection-Grade.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 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	22.6 MPa @Strain 100 %	3280 psi @Strain 100 %	ASTM D638
Elongation at Break	400 %	400 %	ASTM D638
Tear Strength	236 kN/m	1350 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	<= -65.0 °C	<= -85.0 °F	ASTM D746

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