

Toyobo A2080A 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-A2080A-Thermoplastic-Polyurethane-Elastomer-Injection-Grade.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	82	82	ASTM D2240
Tensile Strength, Ultimate	34.0 MPa	4930 psi	ASTM D638
Tensile Strength, Yield	5.40 MPa @Strain 100 %	783 psi @Strain 100 %	ASTM D638
Elongation at Break	500 %	500 %	ASTM D638
Tear Strength	93.0 kN/m	531 pli	ASTM D624
Taber Abrasion, mg/1000 Cycles	20	20	H22
Compression Set	35 %	35 %	ASTM D395B

Thermal Properties	Metric	English	Comments
Vicat Softening Point	100 °C	212 °F	ASTM D1525
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D746

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