

## Toyobo A1080A 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-A1080A-Thermoplastic-Polyurethane-Elastomer-Injection-Grade.php](http://www.lookpolymers.com/polymer_Toyobo-A1080A-Thermoplastic-Polyurethane-Elastomer-Injection-Grade.php)

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in <sup>3</sup>	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	ASTM D2240
Tensile Strength, Ultimate	34.0 MPa	4930 psi	ASTM D638
Tensile Strength, Yield	4.40 MPa @Strain 100 %	638 psi @Strain 100 %	ASTM D638
Elongation at Break	650 %	650 %	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	95.0 °C	203 °F	ASTM D1525
Brittleness Temperature	<= -65.0 °C	<= -85.0 °F	ASTM D746

## Contact Songhan Plastic Technology Co.,Ltd.

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