

A. Schulman POLYTROPE™ TPP 512 Injection Molding Grade Olefinic Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Olefinic TPE , Thermoplastic Olefinic Elastomer (TPO)

Material Notes:

Description Polytrope TPP 512 is an injection molding grade olefinic thermoplastic elastomer. This product has excellent low temperature impact properties and flow characteristics suitable for molding large automotive parts, such as fascias and air dams. TPP 512 is UV stable, paintable and pigmentable. Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-POLYTROPE-TPP-512-Injection-Molding-Grade-Olefinic-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.910 g/cc	0.910 g/cc	ASTM D792
Linear Mold Shrinkage	0.0090 - 0.011 cm/cm	0.0090 - 0.011 in/in	
Melt Index of Compound	10 g/10 min	10 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	66	66	ASTM D2240
Tensile Strength at Break	24.1 MPa	3500 psi	ASTM D638
Elongation at Break	650 %	650 %	ASTM D638
Flexural Modulus	0.827 GPa	120 ksi	ASTM D790
Gardner Impact	36.0 J @Temperature -30.0 °C	26.6 ft-lb @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-40.0 °C	-40.0 °F	

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