

A. Schulman POLYTROPE™ TPP 510 Injection Molding Grade Olefinic Thermoplastic Elastomer

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

Material Notes:

Description Polytrope TPP 510 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 510 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-510-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	0.011 - 0.013 cm/cm	0.011 - 0.013 in/in	
Melt Index of Compound	10 g/10 min	10 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	63	63	ASTM D2240
Tensile Strength at Break	20.7 MPa	3000 psi	ASTM D638
Elongation at Break	350 %	350 %	ASTM D638
Flexural Modulus	0.689 GPa	100 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	-45.0 °C	-49.0 °F	

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