

A. Schulman POLYTROPE™ TPP 524 Injection Molding Grade Olefinic Thermoplastic Elastomer

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

Material Notes:

Description Polytrope TPP 524 is an injection molding grade olefinic thermoplastic elastomer. This mineral filled product is recommended for applications requiring high stiffness and low thermal expansion in combination with good impact strength. Typical applications would include automotive claddings and rocker panels. TPP 518 is paintable and can be provided UV stable. Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-POLYTROPE-TPP-524-Injection-Molding-Grade-Olefinic-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	ASTM D792
Linear Mold Shrinkage	0.0080 cm/cm	0.0080 in/in	
Melt Index of Compound	9.0 g/10 min	9.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	69	69	ASTM D2240
Tensile Strength, Yield	20.7 MPa	3000 psi	ASTM D638
Elongation at Break	250 %	250 %	ASTM D638
Flexural Modulus	1.65 GPa	240 ksi	ASTM D790
Gardner Impact	22.0 J @Temperature -30.0 °C	16.2 ft-lb @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	62.0 µm/m-°C @Temperature 20.0 °C	34.4 µin/in-°F @Temperature 68.0 °F	ASTM D696
Brittleness Temperature	-30.0 °C	-22.0 °F	

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