

A. Schulman POLYTROPE™ TPP 504E Extrusion Grade Olefinic Thermoplastic Elastomer

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

Material Notes:

Description Polytrope TPP 504 is an extrusion grade olefinic thermoplastic elastomer suitable for profile extrusion or blow molding.

Characteristics of this product include excellent low temperature impact strength. TPP 504E 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-504E-Extrusion-Grade-Olefinic-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.910 g/cc	0.910 g/cc	ASTM D792
Melt Index of Compound	0.80 g/10 min	0.80 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	55	55	ASTM D2240
Tensile Strength at Break	13.8 MPa	2000 psi	ASTM D638
Elongation at Break	600 %	600 %	ASTM D638
Flexural Modulus	0.310 GPa	45.0 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	-50.0 °C	-58.0 °F	

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