

## A. Schulman POLYTROPE™ TPP 530 Injection Molding Grade Olefinic Thermoplastic Elastomer

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

### Material Notes:

Description Polytrope TPP 530 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. Application Typical applications include automotive claddings and radiator grills. TPP 530 is paintable with conventional TPO paint systems. Information provided by A. Schulman.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_A-Schulman-POLYTROPE-TPP-530-Injection-Molding-Grade-Olefinic-Thermoplastic-Elastomer.php](http://www.lookpolymers.com/polymer_A-Schulman-POLYTROPE-TPP-530-Injection-Molding-Grade-Olefinic-Thermoplastic-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.13 g/cc	1.13 g/cc	ASTM D792
Linear Mold Shrinkage	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	as molded
	0.0090 cm/cm	0.0090 in/in	± 0.1 after 30 min. at 120°C
Melt Index of Compound	7.0 g/10 min	7.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	69	69	ASTM D2240
Tensile Strength, Yield	22.1 MPa	3200 psi	ASTM D638
Elongation at Yield	50 %	50 %	ASTM D638
Flexural Modulus	2.07 GPa	300 ksi	ASTM D790
Gardner Impact	24.3 J	17.9 ft-lb	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	52.0 µm/m-°C	28.9 µin/in-°F	ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Brittleness Temperature	-15.0 °C	5.00 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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