

## Plastcom SLOVALEN PH 51 T 15 Polypropylene Homopolymer, 15% Mineral Filled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% Talc Filler

### Material Notes:

Features Modified homopolymer PP for injection moulding with the content of 15% mineral filler. Increased rigidity, strength and thermal use up to 130°C. Decreased shrinkage. General application in all industry branches - packing material, garden flower-pots, toys, furniture industry, dowels, clamps, hinge, office chairs, hangers, covers of car chassis, fenders, motors etc. Delivered in natural and in the full RAL color scale. Application: Injection Moulding Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Plastcom-SLOVALEN-PH-51-T-15-Polypropylene-Homopolymer-15-Mineral-Filled.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVALEN-PH-51-T-15-Polypropylene-Homopolymer-15-Mineral-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.023 g/cc	0.03696 lb/in <sup>3</sup>	STN 64 0111
Linear Mold Shrinkage	0.015 cm/cm	0.015 in/in	STN 64 0808
Linear Mold Shrinkage, Transverse	0.0129 cm/cm	0.0129 in/in	STN 64 0808
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 230 °C	5.0 g/10 min @Load 4.76 lb, Temperature 446 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	32.0 MPa	4640 psi	STN EN ISO 527-2
Elongation at Break	5.0 %	5.0 %	STN EN ISO 527-2
Tensile Modulus	2.10 GPa	305 ksi	STN EN ISO 527-2
Flexural Strength	45.0 MPa	6530 psi	STN EN ISO 178
Flexural Modulus	2.20 GPa	319 ksi	STN EN ISO 178
Charpy Impact Unnotched	1.80 J/cm <sup>2</sup> @Temperature -20.0 °C	8.57 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	STN EN ISO 179
	5.50 J/cm <sup>2</sup> @Temperature 23.0 °C	26.2 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	STN EN ISO 179
Charpy Impact, Notched	0.200 J/cm <sup>2</sup> @Temperature -20.0 °C	0.952 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	STN EN ISO 179
	0.300 J/cm <sup>2</sup> @Temperature 23.0 °C	1.43 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	STN EN ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	160 °C	320 °F	DSC; STN EN ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	125 °C	257 °F	STN EN ISO 75/A
Vicat Softening Point	160 °C	320 °F	B; STN EN ISO 306

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 250 °C	392 - 482 °F	
Mold Temperature	40.0 - 50.0 °C	104 - 122 °F	
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

## Contact Songhan Plastic Technology Co.,Ltd.

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