

## Plastcom SLOVALEN PH 51 T 10 Polypropylene Homopolymer, 10% Mineral Filled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 10% Talc Filler

### Material Notes:

Features Modified homopolymer PP for injection moulding with the content of 10% mineral filler. Increased rigidity, strength and thermal use up to 120°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-10-Polypropylene-Homopolymer-10-Mineral-Filled.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVALEN-PH-51-T-10-Polypropylene-Homopolymer-10-Mineral-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.005 g/cc	0.03631 lb/in <sup>3</sup>	STN 64 0111
Linear Mold Shrinkage	0.0183 cm/cm	0.0183 in/in	STN 64 0808
Linear Mold Shrinkage, Transverse	0.0145 cm/cm	0.0145 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	30.0 MPa	4350 psi	STN EN ISO 527-2
Elongation at Break	10 %	10 %	STN EN ISO 527-2
Tensile Modulus	2.00 GPa	290 ksi	STN EN ISO 527-2
Flexural Strength	45.0 MPa	6530 psi	STN EN ISO 178
Flexural Modulus	2.00 GPa	290 ksi	STN EN ISO 178
Charpy Impact Unnotched	2.00 J/cm <sup>2</sup> @Temperature -20.0 °C	9.52 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	STN EN ISO 179
	6.00 J/cm <sup>2</sup> @Temperature 23.0 °C	28.6 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	STN EN ISO 179
Charpy Impact, Notched	0.300 J/cm <sup>2</sup> @Temperature -20.0 °C	1.43 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	STN EN ISO 179
	0.400 J/cm <sup>2</sup> @Temperature 23.0 °C	1.90 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)	120 °C	248 °F	STN EN ISO 75/A
Vicat Softening Point	155 °C	311 °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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