

## Plastcom SLOVALEN PC 51 T 20 Polypropylene Copolymer, 20% Micronized Talc

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

### Material Notes:

Features Modified copolymer PP for injection moulding with the content of 20% micronized, floated, chemically modified talc. 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. Increased toughness. 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-PC-51-T-20-Polypropylene-Copolymer-20-Micronized-Talc.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVALEN-PC-51-T-20-Polypropylene-Copolymer-20-Micronized-Talc.php)

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in <sup>3</sup>	STN 64 0111
Linear Mold Shrinkage	0.0175 cm/cm	0.0175 in/in	STN 64 0808
Linear Mold Shrinkage, Transverse	0.0183 cm/cm	0.0183 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	25.0 MPa	3630 psi	STN EN ISO 527-2
Elongation at Break	5.0 %	5.0 %	STN EN ISO 527-2
Tensile Modulus	2.70 GPa	392 ksi	STN EN ISO 527-2
Flexural Strength	70.0 MPa	10200 psi	STN EN ISO 178
Flexural Modulus	2.30 GPa	334 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
	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	0.200 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
	0.500 J/cm <sup>2</sup> @Temperature 23.0 °C	2.38 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	STN EN ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	150 °C	302 °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	85.0 °C	185 °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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