

## Plastcom SLOVALEN PH 91 T 20 Polypropylene Homopolymer, 20% Micronized Talc

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

### Material Notes:

Features Modified homopolymer 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. Delivered in natural and in the full RAL color scale. High MFI enables injection moulding of complicated and easy flow demanding mouldings. 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-91-T-20-Polypropylene-Homopolymer-20-Micronized-Talc.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVALEN-PH-91-T-20-Polypropylene-Homopolymer-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	0.0169 cm/cm	0.0169 in/in	STN 64 0808
Linear Mold Shrinkage, Transverse	0.0146 cm/cm	0.0146 in/in	STN 64 0808
Melt Flow	25 g/10 min @Load 2.16 kg, Temperature 230 °C	25 g/10 min @Load 4.76 lb, Temperature 446 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	35.0 MPa	5080 psi	STN EN ISO 527-2
Elongation at Break	4.0 %	4.0 %	STN EN ISO 527-2
Tensile Modulus	2.40 GPa	348 ksi	STN EN ISO 527-2
Flexural Strength	40.0 MPa	5800 psi	STN EN ISO 178
Flexural Modulus	2.40 GPa	348 ksi	STN EN ISO 178
Charpy Impact Unnotched	1.50 J/cm <sup>2</sup> @Temperature -20.0 °C	7.14 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	STN EN ISO 179
	4.00 J/cm <sup>2</sup> @Temperature 23.0 °C	19.0 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	STN EN ISO 179
Charpy Impact, Notched	0.100 J/cm <sup>2</sup> @Temperature -20.0 °C	0.476 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 - 60.0 °C	104 - 140 °F	
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

## Contact Songhan Plastic Technology Co.,Ltd.

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