

## Plastcom PLASTALEN® PH 91 T 20 Polypropylene reinforced with mineral filler

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Mineral Reinforced

### Material Notes:

Modified homopolymer PP for injection molding with the content of 20 % mineral filler. General application in all industry branches.

Delivered in natural mode and in the full RAL color scale. Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Plastcom-PLASTALEN-PH-91-T-20-Polypropylene-reinforced-with-mineral-filler.php](http://www.lookpolymers.com/polymer_Plastcom-PLASTALEN-PH-91-T-20-Polypropylene-reinforced-with-mineral-filler.php)

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in <sup>3</sup>	STN EN ISO 1183-1
Filler Content	20 %	20 %	
Linear Mold Shrinkage	0.0151 cm/cm	0.0151 in/in	STN EN ISO 294-4
Linear Mold Shrinkage, Transverse	0.0127 cm/cm	0.0127 in/in	STN EN ISO 294-4
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 230 °C	20 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	2.45 GPa	355 ksi	STN EN ISO 527-2
Flexural Strength	42.0 MPa	6090 psi	STN EN ISO 178
Flexural Modulus	2.35 GPa	341 ksi	STN EN ISO 178
Charpy Impact Unnotched	1.40 J/cm <sup>2</sup> @Temperature -20.0 °C	6.66 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	0.150 J/cm <sup>2</sup> @Temperature -20.0 °C	0.714 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	STN EN ISO 179
	0.350 J/cm <sup>2</sup> @Temperature 23.0 °C	1.67 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	STN EN 11357-1
Deflection Temperature at 1.8 MPa (264 psi)	118 °C	244 °F	STN EN ISO 75-2 (A)
Vicat Softening Point	152 °C	306 °F	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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