

## Plastcom SLOVALEN PC 51 C 40 LS/1M Polypropylene reinforced with mineral filler, UV stabilized

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% Calcium Carbonate (CaCO3) Filler

### Material Notes:

Modified copolymer PP for injection molding with the content of 40% mineral filler, UV stabilized. Product meets glow wire test at 750°C.

Delivered in 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-SLOVALEN-PC-51-C-40-LS1M-Polypropylene-reinforced-with-mineral-filler-UV-stabilized.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVALEN-PC-51-C-40-LS1M-Polypropylene-reinforced-with-mineral-filler-UV-stabilized.php)

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in <sup>3</sup>	STN EN ISO 1183-1
Filler Content	40 %	40 %	
Linear Mold Shrinkage	0.0136 cm/cm	0.0136 in/in	STN EN ISO 294-4
Linear Mold Shrinkage, Transverse	0.0156 cm/cm	0.0156 in/in	STN EN ISO 294-4
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	15.0 MPa	2180 psi	STN EN ISO 527-2
Elongation at Break	4.0 %	4.0 %	STN EN ISO 527-2
Tensile Modulus	1.40 GPa	203 ksi	STN EN ISO 527-2
Flexural Strength	25.0 MPa	3630 psi	STN EN ISO 178
Flexural Modulus	1.60 GPa	232 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
	5.00 J/cm <sup>2</sup> @Temperature 23.0 °C	23.8 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	150 °C	302 °F	STN EN 11357-1
Deflection Temperature at 1.8 MPa (264 psi)	90.0 °C	194 °F	STN EN ISO 75-2 (A)
Vicat Softening Point	150 °C	302 °F	STN EN ISO 306
Flammability, UL94	HB	HB	
Glow Wire Test	750 °C @Thickness 3.00 mm	1380 °F @Thickness 0.118 in	STN EN 60695-2-12

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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