

## Plastcom SLOVALEN PH 76 T 20 FRD 5 PP, 20% mineral filling, flame retardant

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

### Material Notes:

**Features** Modified homopolymer PP for injection moulding, with the content of 20% microground chemically modified talc, retarded with halogen flame retardant  
**Application** - electrical industry - terminals, coil forms, covers of electrotools, guides. Delivered in natural mode and in the full RAL colour scale.  
**Packaging, transport, stocking** The product is packed in hermetically closed thick-walled 25 kg PE bags, on a 1.000 kg palette coated in a stretch foil, in big bags with a thick PE foil fixed on a 1.000 kg palette, in paper octabins with a thick PE foil fixed on a 1.000 kg palette or in other packaging according to customer requirements. The transport is provided in closed-up vehicles where the material is protected against movement and mechanical damage. The product requires stocking in closed-up, dry places protected against sun and thermal radiation.  
 Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Plastcom-SLOVALEN-PH-76-T-20-FRD-5-PP-20-mineral-filling-flame-retardant.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVALEN-PH-76-T-20-FRD-5-PP-20-mineral-filling-flame-retardant.php)

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in <sup>3</sup>	
Linear Mold Shrinkage	0.0184 cm/cm	0.0184 in/in	
Linear Mold Shrinkage, Transverse	0.0168 cm/cm	0.0168 in/in	
Melt Flow	10 g/10 min @Load 0.325 kg, Temperature 270 °C	10 g/10 min @Load 0.716 lb, Temperature 518 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	25.0 MPa	3630 psi	
Elongation at Break	5.0 %	5.0 %	
Tensile Modulus	3.20 GPa	464 ksi	
Flexural Strength	44.0 MPa	6380 psi	
Flexural Modulus	3.00 GPa	435 ksi	
Charpy Impact Unnotched	1.00 J/cm <sup>2</sup> @Temperature -20.0 °C	4.76 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	
	1.50 J/cm <sup>2</sup> @Temperature 23.0 °C	7.14 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	
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	

Mechanical Properties	0.200 J/cm <sup>2</sup> Metric	0.952 ft-lb/in <sup>2</sup> English	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	160 °C	320 °F	
Deflection Temperature at 1.8 MPa (264 psi)	133 °C	271 °F	
Vicat Softening Point	157 °C	315 °F	B
Flammability, UL94	V-0	V-0	
Glow Wire Test	960 °C	1760 °F	

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 250 °C	392 - 482 °F	
Mold Temperature	40.0 - 70.0 °C	104 - 158 °F	
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

## Contact Songhan Plastic Technology Co.,Ltd.

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