

## Plastcom SLOVALEN PH 56 T FRD 1 PP, flame retardant

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Flame Retardant

### Material Notes:

Features Modified homopolymer PP for injection moulding with decreased flammability. Contains flame retardant on the halogen basis. Used in the electrical industry - terminals, coil forms, guides, covers of electric tools. Complies with the 960°C glow wire and flammability grade V2. 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-56-T-FRD-1-PP-flame-retardant.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVALEN-PH-56-T-FRD-1-PP-flame-retardant.php)

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in <sup>3</sup>	
Linear Mold Shrinkage	0.0095 cm/cm	0.0095 in/in	
Linear Mold Shrinkage, Transverse	0.0102 cm/cm	0.0102 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	40.0 MPa	5800 psi	
Elongation at Break	7.0 %	7.0 %	
Tensile Modulus	2.45 GPa	355 ksi	
Flexural Strength	45.0 MPa	6530 psi	
Flexural Modulus	2.20 GPa	319 ksi	
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	
	8.50 J/cm <sup>2</sup> @Temperature 23.0 °C	40.4 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	
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	

Mechanical Properties	0.300 J/cm <sup>2</sup> Metric	1.43 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)	102 °C	216 °F	
Vicat Softening Point	155 °C	311 °F	B
Flammability, UL94	V-2	V-2	
Glow Wire Test	960 °C	1760 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	
Surface Resistance	1.00e+16 ohm	1.00e+16 ohm	
Dielectric Strength	24.0 kV/mm	610 kV/in	
Comparative Tracking Index	450 V	450 V	

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 250 °C	392 - 482 °F	
Mold Temperature	30.0 - 50.0 °C	86.0 - 122 °F	
Injection Pressure	50.0 - 80.0 MPa	7250 - 11600 psi	

## Contact Songhan Plastic Technology Co.,Ltd.

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