

Plastcom SLOVALEN PC 78 FRD 1 Polypropylene Copolymer, Halogen Flame Retardant, UV Stabilized

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

Material Notes:

Features Modified copolymer PP with the possibility of changing the MFI within the interval 5 - 20 g/10min. Stabilized against the UV-radiation by the UV stabilizer on the HALS basis. Retarded with the halogen flame retardant. Application - stadium seats with guaranteed life-cycle of the mechanical and surface properties, electrical industry - terminals, coil forms, covers of electrottools, guides. Fulfills 960°C glow wire and flammability in accordance with UL 94 V2. Concerning flammability, it complies with the building norm DIN 4102-B2. Delivered in the full RAL color scale. 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-PC-78-FRD-1-Polypropylene-Copolymer-Halogen-Flame-Retardant-UV-Stabilized.php

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in ³	STN 64 0111
Linear Mold Shrinkage	0.0242 cm/cm	0.0242 in/in	STN 64 0808
Linear Mold Shrinkage, Transverse	0.0243 cm/cm	0.0243 in/in	STN 64 0808
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	28.0 MPa	4060 psi	STN EN ISO 527-2
Elongation at Break	20 %	20 %	STN EN ISO 527-2
Tensile Modulus	1.30 GPa	189 ksi	STN EN ISO 527-2
Flexural Strength	40.0 MPa	5800 psi	STN EN ISO 178
Flexural Modulus	1.10 GPa	160 ksi	STN EN ISO 178
Charpy Impact Unnotched	11.0 J/cm ² @Temperature -20.0 °C	52.3 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	STN EN ISO 179
Charpy Impact, Notched	0.500 J/cm ² @Temperature -20.0 °C	2.38 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	1.00 J/cm ²	4.76 ft-lb/in ²	

Mechanical Properties	Metric @ Temperature 23.0 °C	English @ Temperature 73.4 °F	STN EN ISO 179 Comments
-----------------------	---------------------------------	----------------------------------	----------------------------

Thermal Properties	Metric	English	Comments
Melting Point	150 °C	302 °F	DSC; STN EN ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	STN EN ISO 75/A
Vicat Softening Point	110 °C	230 °F	B; STN EN ISO 306
Flammability, UL94	V-2	V-2	
Glow Wire Test	960 °C	1760 °F	STN IEC 60695-2-10

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	STN IEC 60093
Surface Resistance	1.00e+16 ohm	1.00e+16 ohm	STN IEC 60093
Dielectric Strength	24.0 kV/mm	610 kV/in	STN IEC 60243
Comparative Tracking Index	450 V	450 V	STN 34 6468

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.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China