

Plastcom SLOVALEN PC 78 FRD 3 Polypropylene Copolymer, Halogen Flame Retardant

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

Material Notes:

FeaturesDetermined for environment where contact with water is possible because the electric properties do not change by conditioning.

Application - terminals, coil forms, guides in washing machines, tea-pots, dish-washers. Delivered in natural and in the full RAL color scale.

Modified copolymer PP, retarded with halogen flame retardant. Meets the basic electrotechnical properties: flammability in accordance

with UL 94 V0 and 960°C glow wire.Application: Injection MouldingInformation Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-SLOVALEN-PC-78-FRD-3-Polypropylene-Copolymer-Halogen-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in³	STN 64 0111
Linear Mold Shrinkage	0.0237 cm/cm	0.0237 in/in	STN 64 0808
Linear Mold Shrinkage, Transverse	0.0233 cm/cm	0.0233 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	25.0 MPa	3630 psi	STN EN ISO 527-2
Elongation at Break	30 %	30 %	STN EN ISO 527-2
Tensile Modulus	1.10 GPa	160 ksi	STN EN ISO 527-2
Flexural Strength	35.0 MPa	5080 psi	STN EN ISO 178
Flexural Modulus	1.00 GPa	145 ksi	STN EN ISO 178
Charpy Impact Unnotched	9.00 J/cm² @Temperature -20.0 °C	42.8 ft-lb/in² @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	0.200 J/cm² @Temperature -20.0 °C	0.952 ft-lb/in² @Temperature -4.00 °F	STN EN ISO 179
	0.500 J/cm² @Temperature 23.0 °C	2.38 ft-lb/in² @Temperature 73.4 °F	STN EN ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	150 °C	302 °F	DSC; STN EN ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °F	STN EN ISO 75/A
Vicat Softening Point	105 °C	221 °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	27.0 kV/mm	686 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	

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