

Plastcom SLOVALEN EH 96 FRD 2 PP, flame retardant

Category : Polymer , Thermoplastic , Polypropylene (PP) , 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 mode and in the full RAL

colour scale. Modified homopolymer PP, retarded type with halogen flame retardant. Fulfills basic electric properties: flammability in

accordance with UL 94 V2 and 850°C glow wire.Packaging, transport, stockingThe 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-EH-96-FRD-2-PP-flame-retardant.php

Physical Properties	Metric	English	Comments
Density	1.01 g/cc	0.0365 lb/in ³	
Linear Mold Shrinkage	0.0238 cm/cm	0.0238 in/in	
Linear Mold Shrinkage, Transverse	0.0217 cm/cm	0.0217 in/in	
Melt Flow	15 g/10 min @Load 0.325 kg, Temperature 270 °C	15 g/10 min @Load 0.716 lb, Temperature 518 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	18.0 MPa	2610 psi	
Elongation at Break	33 %	33 %	
Tensile Modulus	1.20 GPa	174 ksi	
Flexural Strength	21.0 MPa	3050 psi	
Flexural Modulus	0.900 GPa	131 ksi	
Charpy Impact Unnotched	4.50 J/cm ² @Temperature -20.0 °C	21.4 ft-lb/in ² @Temperature -4.00 °F	
	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	
Charpy Impact, Notched	0.600 J/cm ² @Temperature -20.0 °C	2.86 ft-lb/in ² @Temperature -4.00 °F	

Mechanical Properties	Metric	English	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	130 °C	266 °F	
Deflection Temperature at 1.8 MPa (264 psi)	55.0 °C	131 °F	
Vicat Softening Point	100 °C	212 °F	B
Flammability, UL94	V-2	V-2	
Glow Wire Test	850 °C	1560 °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	28.0 kV/mm	711 kV/in	
Comparative Tracking Index	500 V	500 V	

Processing Properties	Metric	English	Comments
Melt Temperature	170 - 190 °C	338 - 374 °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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