

SLOVALEN® PC 16 FRD 1

Polypropylene Copolymer

Plastcom

Message:

Modified PP copolymer for extrusion with low flammability. Contains a halogen-based flame retardant. Electrical Industry: Extruded sheets, profiles and tubes for non-pressure applications compliant glow wire of 960° C and the degree of flammability V2. Supplied in natural mode and in the full RAL colour scale.

General Information			
Additive	Flame Retardant		
Features	Copolymer		
	Flame Retardant		
	Halogenated		
Uses	Electrical/Electronic Applications		
	Profiles		
	Sheet		
	Tubing		
Appearance	Colors Available		
	Natural Color		
Processing Method	Extrusion		
Resin ID (ISO 1043)	PP		
Physical	Nominal Value	Unit	Test Method
Density	0.915	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.50	g/10 min	ISO 1133
Molding Shrinkage			STM 64 0808
Across Flow	1.9	%	
Flow	2.1	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1450	MPa	ISO 527-2
Tensile Stress (Yield)	25.0	MPa	ISO 527-2
Tensile Strain (Yield)	250	%	ISO 527-2
Flexural Modulus	1300	MPa	ISO 178
Flexural Stress	35.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	14	kJ/m ²	
23°C	90	kJ/m ²	

Charpy Unnotched Impact Strength			ISO 179
-20°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	70.0	°C	ISO 75-2/B
Vicat Softening Temperature	150	°C	ISO 306/B
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	IEC 60093
Volume Resistivity	1.0E+16	ohms·cm	IEC 60093
Electric Strength	24	kV/mm	IEC 60243-1
Comparative Tracking Index (Solution A)	450	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-2		UL 94
Glow Wire Ignition Temperature	960	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 to 210	°C	

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