SLOVALEN® PC 88 FRD 1

Polypropylene

Plastcom

Message:

Modified copolymer PP with the possibility of changing the ITT-index within the interval 5 - 20 g/10 min. Stabilized against the UV-radiation and atmospheric conditions 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 electrotools, 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 colour scale.

General Information			
Additive	Flame Retardant		
Features	Copolymer Flame Retardant Halogenated		
Uses	Electrical/Electronic Applications Power/Other Tools Seats		
Appearance	Colors Available Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PP		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.930	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Molding Shrinkage			STM 64 0808
Across Flow	2.4	%	
Flow	2.4	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1200	MPa	ISO 527-2
Tensile Stress (Yield)	28.0	MPa	ISO 527-2
Tensile Strain (Yield)	20	%	ISO 527-2
Flexural Modulus	1000	MPa	ISO 178
Flexural Stress	35.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-20°C	4.0	kJ/m²	
23°C	9.0	kJ/m²	

Charpy Unnotched Impact Strength			ISO 179
-20°C	110	kJ/m²	
23°C	No Break		
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	75.0	°C	ISO 75-2/B
Vicat Softening Temperature	110	°C	ISO 306/B
Melting Temperature (DSC)	150	°C	ISO 3146
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	200 to 250	°C	
Mold Temperature	30.0 to 50.0	°C	
Injection Pressure	50.0 to 80.0	MPa	

Recommended distributors for this material

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