SLOVALEN® PC 46 FRD 3 T 35

Polypropylene

Plastcom

Message:

Modified copolymer PP for injection moulding, with the content of 35 % microground chemically modified talc, retarded with halogen flame retardant. Application - electrical industry - terminals, coil forms, covers of electrotools, guides. Delivered in natural mode and in the full RAL colour scale.

General Information			
Filler / Reinforcement	Talc,35% Filler by Weight		
Additive	Flame Retardant Heat Stabilizer		
Features	Flame Retardant Halogenated Heat Stabilized		
Uses	Electrical/Electronic Applications Power/Other Tools		
Appearance	Colors Available Natural Color		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.31	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ISO 1133
Molding Shrinkage			STM 64 0808
Across Flow	0.80	%	
Flow	0.60	%	
Water Content	0.10	%	ISO 960
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2900	MPa	ISO 527-2
Tensile Stress (Yield)	20.0	MPa	ISO 527-2
Tensile Strain (Yield)	2.0	%	ISO 527-2
Flexural Modulus	2600	MPa	ISO 178
Flexural Stress	30.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-20°C	1.8	kJ/m²	
23°C	3.8	kJ/m²	

Charpy Unnotched Impact Strength			ISO 179
-20°C	16	kJ/m²	
23°C	34	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	73.0	°C	ISO 75-2/B
Vicat Softening Temperature	98.0	°C	ISO 306/B
Melting Temperature (DSC)	175	°C	ISO 3146
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+17	ohms·cm	IEC 60093
Electric Strength	48	kV/mm	IEC 60243-1
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (1.60 mm)	V-0		UL 94
Glow Wire Ignition Temperature (3.00 mm)	960	°C	IEC 60695-2-13
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	220 to 240	°C	
Mold Temperature	30.0 to 40.0	°C	
Injection Pressure	70.0 to 90.0	MPa	

Recommended distributors for this material

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