

SLOVALEN® PC 26 FRT 5

Polypropylene Copolymer

Plastcom

Message:

Modified copolymer PP for injection moulding and extrusion with decreased flammability. Contains flame retardant on the halogenfree basis. Used in the electrical industry - terminals, coil forms, guides, covers of electric tools. Extrusion of Pipes and tubes. Complies with the 960°C glow wire and flammability grade V0 at 0,8 mm. Delivered in natural mode and in the full RAL colour scale.

General Information	
Additive	Flame Retardant
Features	Copolymer
	Flame Retardant
	Halogen Free
Uses	Electrical/Electronic Applications
	Piping
	Power/Other Tools
	Tubing
Appearance	Colors Available
	Natural Color
Processing Method	Extrusion
	Injection Molding
	Pipe Extrusion

Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ISO 1133
Molding Shrinkage			STM 64 0808
Across Flow	0.70	%	
Flow	0.50	%	
Water Content	< 0.10	%	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1600	MPa	ISO 527-2
Tensile Stress (Yield)	15.0	MPa	ISO 527-2
Tensile Strain (Yield)	2.0	%	ISO 527-2
Flexural Modulus	1200	MPa	ISO 178
Flexural Stress	25.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength			ISO 179
-20°C	1.5	kJ/m ²	
23°C	4.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	15	kJ/m ²	
23°C	35	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	85.0	°C	ISO 75-2/B
Vicat Softening Temperature	155	°C	ISO 306/B
Melting Temperature (DSC)	145	°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	35	kV/mm	IEC 60243-1
Comparative Tracking Index (Solution A)	550	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.800 mm)	V-0		UL 94
Glow Wire Ignition Temperature	960	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	200 to 250	°C	
Mold Temperature	30.0 to 50.0	°C	
Injection Pressure	50.0 to 80.0	MPa	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

