

SLOVALEN® PC 18 FRT 5

Polypropylene
Plastcom

Message:

Modified copolymer PP for extrusion, contains the modifier of mechanical properties and non halogen and free phosphor flame retardant. Delivered in natural mode and in the full RAL colour scale.

General Information			
Additive	Flame Retardant		
	Heat Stabilizer		
Features	Chemically Coupled		
	Copolymer		
	Flame Retardant		
	Halogen Free		
	Heat Stabilized		
	Low (to None) Phosphorus Content		
Appearance	Colors Available		
	Natural Color		
Processing Method	Extrusion		
Resin ID (ISO 1043)	PP		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.0 to 2.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1500	MPa	ISO 527-2
Tensile Stress (Yield)	17.0	MPa	ISO 527-2
Tensile Strain (Yield)	3.0	%	ISO 527-2
Flexural Modulus	1350	MPa	ISO 178
Flexural Stress	38.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	3.0	kJ/m ²	
23°C	5.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	18	kJ/m ²	
23°C	46	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (0.45 MPa, Unannealed)	54.0	°C	ISO 75-2/B
Vicat Softening Temperature	116	°C	ISO 306/B
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	
Processing (Melt) Temp	200 to 250	°C	

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