

SLOVALEN® PC 13 T 30

Polypropylene

Plastcom

Message:

Modified copolymer PP for injection moulding or extrusion parts with the content of 30 % mineral filler. Increased rigidity, strength and impact strenght.Delivered in natural mode and in the full RAL colour scale.

General Information			
Filler / Reinforcement	Talc,30% Filler by Weight		
Additive	UV Stabilizer		
Features	Copolymer		
	Good Impact Resistance		
	Good Strength		
	Medium Rigidity		
Appearance	Colors Available		
	Natural Color		
Processing Method	Extrusion		
	Injection Molding		
Resin ID (ISO 1043)	PP		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm³	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	1.2	%	
Flow	1.3	%	
Water Content	< 0.20	%	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2750	MPa	ISO 527-2
Tensile Stress (Yield)	30.0	MPa	ISO 527-2
Tensile Strain (Yield)	20	%	ISO 527-2
Flexural Modulus	2550	MPa	ISO 178
Flexural Stress	35.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	3.0	kJ/m²	
23°C	15	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179

-20°C	16	kJ/m ²	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	65.0	°C	ISO 75-2/B
Vicat Softening Temperature	153	°C	ISO 306/B
Melting Temperature (DSC)	165	°C	ISO 3146
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Glow Wire Ignition Temperature	550	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	200 to 250	°C	
Mold Temperature	40.0 to 50.0	°C	
Injection Pressure	70.0 to 120	MPa	

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