

SLOVALEN® PC 93 T 20

Polypropylene Copolymer

Plastcom

Message:

Modified PP for injection moulding with the content of 20 % mineral filling, uv stabilized. Increased rigidity, strength and thermal use up to 130°C depending on the talc content. Decreased shrinkage. General application in all industry branches.

General Information			
Filler / Reinforcement	Talc,20% Filler by Weight		
Additive	UV Stabilizer		
Features	General Purpose		
	Good Strength		
	Low Shrinkage		
	Medium Heat Resistance		
	Medium Rigidity		
Uses	General Purpose		
Appearance	Colors Available		
	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PPc		
Physical	Nominal Value	Unit	Test Method
Density	1.09	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	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	2050	MPa	ISO 527-2
Tensile Stress (Yield)	22.0	MPa	ISO 527-2
Tensile Strain (Yield)	30	%	ISO 527-2
Flexural Modulus	2000	MPa	ISO 178
Flexural Stress	33.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	3.0	kJ/m ²	
23°C	7.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	40	kJ/m ²	

23°C	90	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	80.0	°C	ISO 75-2/B
Vicat Softening Temperature	125	°C	ISO 306/B
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	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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