

SLOVALEN® PC 79 T 20

Polypropylene Copolymer

Plastcom

Message:

Modified PP for injection moulding with the content of 20% mineral filling. Increased rigidity, strength and thermal. Decreased shrinkage. Antistatic agent. Delivered in natural mode and in full color scala grade according to customer requirement.

General Information			
Filler / Reinforcement	Talc,20% Filler by Weight		
Additive	Antistatic		
Features	Antistatic		
	Good Stiffness		
	Good Strength		
	Low Shrinkage		
Appearance	Colors Available		
	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PP/C		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Molding Shrinkage			STM 64 0808
Across Flow	1.3	%	
Flow	1.1	%	
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)	5.0	%	ISO 527-2
Flexural Modulus	1550	MPa	ISO 178
Flexural Stress	22.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	8.0	kJ/m ²	
23°C	75	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (0.45 MPa, Unannealed)	52.0	°C	ISO 75-2/B
Vicat Softening Temperature	105	°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	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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