

SLOVALEN® PC 93 T 15 1/M

Polypropylene

Plastcom

Message:

Modified PP for injection moulding with the content of 15 % 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. Very good scratch and odor resistant.

General Information			
Filler / Reinforcement	Talc,15% Filler by Weight		
Additive	Unspecified Additive UV Stabilizer		
Features	General Purpose Good Strength Low Shrinkage Low to No Odor Medium Heat Resistance Medium Rigidity Scratch Resistant		
Uses	General Purpose		
Appearance	Colors Available Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PP		
Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm³	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	1.9	%	
Flow	1.9	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ISO 527-2
Tensile Stress (Yield)	23.0	MPa	ISO 527-2
Tensile Strain (Yield)	8.0	%	ISO 527-2
Flexural Modulus	2200	MPa	ISO 178
Flexural Stress	44.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179

-20°C	7.0	kJ/m ²	
23°C	16	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	68	kJ/m ²	
23°C	75	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	135	°C	ISO 3146
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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