

SLOVALEN® PC 93 T 5

Polypropylene

Plastcom

Message:

Modified PP for injection moulding with the content of 5% mineral filling, uv stabilized. Increased rigidity, strength and thermal. Decreased shrinkage. Automotive application interior trim.

General Information			
Filler / Reinforcement	Talc,5.0% Filler by Weight		
Additive	UV Stabilizer		
Features	Chemically Coupled		
	Good Stiffness		
	Good Strength		
	Low Shrinkage		
Uses	Automotive Applications		
	Automotive Interior Trim		
Appearance	Colors Available		
	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PP/C		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (235°C/2.16 kg)	30	g/10 min	ISO 1133
Molding Shrinkage			STM 64 0808
Across Flow	1.5	%	
Flow	1.1	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1500	MPa	ISO 527-2
Tensile Stress (Yield)	18.0	MPa	ISO 527-2
Tensile Strain (Yield)	8.0	%	ISO 527-2
Flexural Modulus	1250	MPa	ISO 178
Flexural Stress	28.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	7.0	kJ/m ²	
23°C	50	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179

-20°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	150	°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	30.0 to 50.0	°C	
Injection Pressure	70.0 to 90.0	MPa	

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