

SLOVALEN® PC 73 T 15-1M

Polypropylene Copolymer

Plastcom

Message:

Modified PP copolymer for injection moulding with the content of 15 % mineral filler, uv stabilized, good scratch resistance, low odor and very good flowability with good dimensional stability. The grade is designed for molding of automotive interior trims. Delivered in natural form or in colormatched form.

General Information			
Filler / Reinforcement	Talc,15% Filler by Weight		
Additive	Antistatic		
	Unspecified Additive		
	UV Stabilizer		
Features	Antistatic		
	Copolymer		
	Good Dimensional Stability		
	Good Flow		
	Low to No Odor		
	Scratch Resistant		
Uses	Automotive Applications		
	Automotive Interior Trim		
Appearance	Colors Available		
	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PPc		
Physical	Nominal Value	Unit	Test Method
Density	1.01	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	1.1	%	
Flow	1.1	%	
Water Content	< 0.10	%	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2550	MPa	ISO 527-2
Tensile Stress (Yield)	27.0	MPa	ISO 527-2
Tensile Strain (Yield)	5.0	%	ISO 527-2

Flexural Modulus	2180	MPa	ISO 178
Flexural Stress	37.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	3.0	kJ/m ²	
23°C	6.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	40	kJ/m ²	
23°C	55	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	65.0	°C	ISO 75-2/B
Vicat Softening Temperature	125	°C	ISO 306/B
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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