

SLOVALEN® PC 63 T 25

Polypropylene

Plastcom

Message:

Modified PP for injection moulding with the content of 25% mineral filling. Increased rigidity, strength and thermal. Decreased shrinkage. Application in all automotive interior industry. Delivered in natural mode and in full color scale grade according to customer requirement.

General Information			
Filler / Reinforcement	Talc,25% Filler by Weight		
Additive	UV Stabilizer		
Features	Good Stiffness		
	Good Strength		
	Low Shrinkage		
Uses	Automotive Applications		
	Automotive Interior Parts		
Appearance	Colors Available		
	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.10	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	0.70	%	
Water Content	0.10	%	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1650	MPa	ISO 527-2
Tensile Stress (Yield)	17.0	MPa	ISO 527-2
Tensile Strain (Yield)	5.0	%	ISO 527-2
Flexural Modulus	1450	MPa	ISO 178
Flexural Stress	24.0	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)	65.0	°C	ISO 75-2/B
Vicat Softening Temperature	45.0	°C	ISO 306/B
Melting Temperature (DSC)	165	°C	ISO 3146
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Glow Wire Ignition Temperature	650	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	230 to 250	°C	
Mold Temperature	30.0 to 60.0	°C	
Injection Pressure	50.0 to 90.0	MPa	

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