

SLOVALEN® PQ 83 T 10

Polypropylene + EPDM Rubber
Plastcom

Message:

Modified PP + EPDM for injection moulding with the content of 10% mineral filler. Increased rigidity, strength and thermal. Decreased shrinkage.
Application in automotive, covers of car chassis, fenders, motors, bumpers, etc.

General Information			
Filler / Reinforcement	Talc,10% Filler by Weight		
Additive	UV Stabilizer		
Features	Good Strength		
	Low Shrinkage		
	Medium Heat Resistance		
	Medium Rigidity		
Uses	Automotive Applications		
	Automotive Bumper		
Appearance	Colors Available		
	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PP/EPDM		
Physical	Nominal Value	Unit	Test Method
Density	0.940	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	1.2	%	
Flow	1.2	%	
Water Content	< 0.10	%	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1200	MPa	ISO 527-2
Tensile Stress (Yield)	15.0	MPa	ISO 527-2
Tensile Strain (Yield)	9.0	%	ISO 527-2
Flexural Modulus	950	MPa	ISO 178
Flexural Stress	18.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	5.0	kJ/m ²	
23°C	43	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)	72.0	°C	ISO 75-2/B
Vicat Softening Temperature	130	°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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