

SABIC® PPcompound 9110

Polypropylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® PPcompound 9110 is a talc filled impact modified PP with excellent impact and stiffness ratio. The material exhibits high flow combined with a very high scratch resistance, no stickiness and a low density.

SABIC® PPcompound 9110 designated automotive grade.

General Information			
Filler / Reinforcement	Talc		
Additive	Impact Modifier		
Features	High Flow		
	High Scratch Resistance		
	Impact Modified		
	Low Density		
Uses	Automotive Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	23	g/10 min	ISO 1133
Molding Shrinkage (24 hr)	0.90	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Injection Molded)	64		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/1A/50
Yield, Injection Molded	22.0	MPa	
Break, Injection Molded	18.0	MPa	
Tensile Strain (Break, Injection Molded)	100	%	ISO 527-2/1A/50
Flexural Modulus ¹ (Injection Molded)	1550	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (-40°C, Injection Molded)	50	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength			ISO 180/4A
-20°C, Injection Molded	6.0	kJ/m ²	
0°C, Injection Molded	10	kJ/m ²	
23°C, Injection Molded	30	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (0.45 MPa, Unannealed)	105	°C	ISO 75-2/B
CLTE - Flow			ASTM D696
-30 to 30°C	6.5E-5	cm/cm/°C	
23 to 80°C	1.0E-4	cm/cm/°C	
NOTE			
1.	Method I (3 point load)		

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Recommended distributors for this material

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