

# SABIC® PPcompound 9125

Polypropylene

Saudi Basic Industries Corporation (SABIC)

## Message:

SABIC® PPcompound 9125 is a Mineral Filled Modified Polypropylene for aesthetic interior applications. This material combines a high scratch resistance with high stiffness, good impact and high flow. The broad processing window enables application in complex shapes as often found in automotive interior.

SABIC® PPcompound 9125 is a designated automotive grade.

General Information			
Filler / Reinforcement	Mineral filler		
Additive	Impact modifier		
Features	Impact modification		
	Rigidity, high		
	High scratch resistance		
	Impact resistance, good		
	High liquidity		
Uses	Application in Automobile Field		
	Car interior parts		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Molding Shrinkage (24 hr)	0.90	%	Internal method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Injection Molded)	65		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/1A/50
Yield, injection molding	21.0	MPa	ISO 527-2/1A/50
Fracture, injection molding	15.0	MPa	ISO 527-2/1A/50
Tensile Strain (Break, Injection Molded)	20	%	ISO 527-2/1A/50
Flexural Modulus <sup>1</sup> (Injection Molded)	1800	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/4A
0°C, injection molding	6.0	kJ/m <sup>2</sup>	ISO 180/4A
23°C, injection molding	12	kJ/m <sup>2</sup>	ISO 180/4A
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (0.45 MPa, Unannealed)	106	°C	ISO 75-2/B
CLTE - Flow (-30 to 30°C)	5.7E-5	cm/cm/°C	ASTM D696
NOTE			
1.	Method I (three-point load)		

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#### Recommended distributors for this material

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