

SABIC® PPcompound 9310

Polypropylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® Ppcompound 9310 is an elastomer-modified mineral filled Polypropylene for automotive interior applications. This grade has been designed to combine a good performance profile with light weight and good surface esthetics.

SABIC® PPcompound 9310 is a designated automotive grade.

General Information			
Filler / Reinforcement	Mineral filler, 11% filler by weight		
Additive	Impact modifier		
Features	Impact modification		
	Excellent appearance		
Uses	Application in Automobile Field		
	Car interior parts		
Forms	Particle		
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)	20	g/10 min	ISO 1133
Molding Shrinkage (24 hours, 3.20mm)	1.0	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1650	MPa	ISO 527-2/1A
Tensile Stress			ISO 527-2/1A
Yield, injection molding	21.0	MPa	ISO 527-2/1A
Fracture, injection molding	16.0	MPa	ISO 527-2/1A
Tensile Strain (Break, Injection Molded)	50	%	ISO 527-2/1A
Flexural Modulus (Injection Molded)	1700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-20°C, injection molding	4.0	kJ/m ²	ISO 180/1A
0°C, injection molding	6.0	kJ/m ²	ISO 180/1A
23°C, injection molding	10	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	112	°C	ISO 75-2/B
1.8 MPa, not annealed	58.0	°C	ISO 75-2/A
CLTE - Flow (-30 to 100°C)	9.3E-5	cm/cm/°C	ISO 11359-2

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