

SABIC® PPcompound 9120

Polypropylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® PPcompound 9120 is an elastomer-modified mineral filled Polypropylene with excellent impact and stiffness ratio. Typical material application are esthetical automotive interior parts. It has a very high scratch resistance, no stickiness and a high flow.

SABIC® PPcompound 9120 is a designated automotive grade.

General Information			
Filler / Reinforcement	Mineral		
Additive	Impact Modifier		
Features	High Flow		
	High Scratch Resistance		
	Impact Modified		
Uses	Automotive Applications		
	Automotive Interior Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.990	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	21	g/10 min	ISO 1133
Molding Shrinkage (24 hr)	0.85	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Injection Molded)	65		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/1A/50
Yield, Injection Molded	21.0	MPa	
Break, Injection Molded	12.0	MPa	
Tensile Strain (Break, Injection Molded)	40	%	ISO 527-2/1A/50
Flexural Modulus ¹ (Injection Molded)	1650	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Injection Molded)	20	kJ/m ²	ISO 179/1eA
Notched Izod Impact Strength			ISO 180/4A
-20°C, Injection Molded	4.0	kJ/m ²	
0°C, Injection Molded	7.0	kJ/m ²	
23°C, Injection Molded	20	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (0.45 MPa, Unannealed)	110	°C	ISO 75-2/B
CLTE - Flow			ASTM D696
-30 to 30°C	6.5E-5	cm/cm/°C	
23 to 80°C	9.5E-5	cm/cm/°C	
NOTE			
1.	Method I (3 point load)		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

