

SABIC® PPcompound 6612

Polypropylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC®PPcompound 6612 is a polypropylene product that contains mineral fillers. It can be processed by injection molding and is available in Europe. Typical application areas are: automotive industry.

General Information			
Filler / Reinforcement	Mineral filler		
Uses	Application in Automobile Field		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
230°C/2.16 kg	19	g/10 min	ISO 1133
230°C/5.0 kg	85	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	60		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/5/50
Yield, 3.20mm	17.0	MPa	ISO 527-2/5/50
Fracture, 3.20mm	17.0	MPa	ISO 527-2/5/50
Tensile Strain (Break, 3.20 mm)	500	%	ISO 527-2/5/50
Flexural Modulus ¹	1350	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	35	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (-40°C)	80	kJ/m ²	ISO 179
Notched Izod Impact			ISO 180/3A
-40°C	3.0	kJ/m ²	ISO 180/3A
-20°C	5.0	kJ/m ²	ISO 180/3A
0°C	No Break		ISO 180/3A
23°C	No Break		ISO 180/3A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	95.0	°C	ISO 75-2/B
Vicat Softening Temperature	115	°C	ISO 306/A50
CLTE - Flow	7.0E-5	cm/cm/°C	ASTM D696
Additional Information			
Mold Shrinkage, SABIC Method: 0.7%			

NOTE

1. Method I (three-point load)

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

