

SABIC® PPcompound PHC22-20

Polypropylene Copolymer

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® PPcompound PHC22/20 is an UV stabilized talcum filled grade typically used in automotive interior applications. This filled copolymer has a excellent impact and stiffness although limited performance in scratch and flow.

SABIC®PPcompound PHC22/20 is a designated automotive grade.

General Information			
Filler / Reinforcement	Talc		
Additive	Impact Modifier		
	UV Stabilizer		
Features	Copolymer		
	Good UV Resistance		
	High Impact Resistance		
	High Stiffness		
	Impact Modified		
Uses	Automotive Applications		
	Automotive Interior Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
230°C/2.16 kg	3.5	g/10 min	
230°C/5.0 kg	18	g/10 min	
Molding Shrinkage (24 hr)	1.2	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Injection Molded)	68		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/5/50
Yield, 3.20 mm, Injection Molded	25.0	MPa	
Break, 3.20 mm, Injection Molded	18.0	MPa	
Tensile Strain (Break, 3.20 mm, Injection Molded)	100	%	ISO 527-2/5/50
Flexural Modulus ¹ (Injection Molded)	1900	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength (23°C, Injection Molded)	No Break		ISO 179/1eA
Charpy Unnotched Impact Strength (-40°C, Injection Molded)	No Break		ISO 179/1eU
Notched Izod Impact Strength			ISO 180/4A
-20°C, Injection Molded	5.0	kJ/m ²	
0°C, Injection Molded	6.0	kJ/m ²	
23°C, Injection Molded	15	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	105	°C	ISO 75-2/B
Vicat Softening Temperature	145	°C	ISO 306/A
CLTE - Flow (-30 to 30°C)	8.0E-5	cm/cm/°C	ASTM D696
NOTE			
1.	Method I (3 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

