

SABIC® PP PHC28

Polypropylene Impact Copolymer

Saudi Basic Industries Corporation (SABIC)

Message:

PHC28 is the new development of SABICs very high impact PHC series. The grade combines very high impact resistance, also at low temperatures, with a good stiffness and offers very good flow properties. By its design it is offering potential of cycle time reduction, of down gauging and easiness of processing. PHC28 is highly suitable for injection moulding of applications requiring high impact from low to thick wall thickness such as suitcase shells, electronic equipment and automotive parts. PHC28 is putting the combined stiffness and flow of very high impact copolymers to a next level .

General Information			
Additive	Nucleating Agent		
Features	Block Copolymer		
	Good Flow		
	Good Processability		
	Good Stiffness		
	Low Temperature Impact Resistance		
	Nucleated		
	Ultra High Impact Resistance		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Luggage		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1100	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	21.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	6.0	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	8.0	kJ/m²	
0°C	13	kJ/m²	
23°C	60	kJ/m²	
Notched Izod Impact Strength			ISO 180/1A
-20°C	7.0	kJ/m²	
0°C	12	kJ/m²	

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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

