SABIC® PPcompound 108CSF10

Polypropylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® PPcompound 108CSF10 is a development grade, elastomer-modified mineral filled Polypropylene for automotive exterior applications. This material has been designed to combine a good performance profile with good processing.
SABIC® PP 108CSF10 is a designated automotive grade.

General Information			
Filler / Reinforcement	Mineral		
Additive	Impact Modifier		
Features	Good Processability Impact Modified		
Uses	Automotive Applications Automotive Exterior Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.960	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Molding Shrinkage (24 hr)	1.2	%	Internal Method
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D, Injection Molded)	63		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ISO 527-2/5/50
Yield, 3.20 mm, Injection Molded	20.0	MPa	
Break, 3.20 mm, Injection Molded	17.0	MPa	
Tensile Strain (Break, 3.20 mm, Injection Molded)	500	%	ISO 527-2/5/50
Flexural Modulus [1] (Injection Molded)	1300	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)	60	kJ/m²	ISO 179/1eU
Notched Izod Impact Strength			ISO 180/4A
-20°C, Injection Molded	8.0	kJ/m²	
0°C, Injection Molded	No Break		

23°C, Injection Molded	No Break		
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	100	°C	ISO 75-2/B
Vicat Softening Temperature	135	°C	ISO 306/A
CLTE - Flow			ASTM D696
-30 to 30°C	7.4E-5	cm/cm/°C	
23 to 80°C	1.0E-4	cm/cm/°C	
NOTE			
1.	Method I (3 point load)		

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