

# SABIC® PPcompound 108CS20

Polypropylene

Saudi Basic Industries Corporation (SABIC)

## Message:

SABIC® PPcompound 108CS20 is a material with good flow, impact and stiffness. The material is part of the SABIC®PP CS systems and also available as a CS system: using a mixture of 60% SABIC®PP 108MF10 and 40% SABIC®PPcompound 20MBT yields similar properties as listed below.

SABIC®PPcompound 108 CS20 is a designated auto grade.

General Information			
Additive	Impact Modifier		
Features	Good Flow		
	Good Impact Resistance		
	Good Stiffness		
	Impact Modified		
Uses	Automotive Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ISO 1133
Molding Shrinkage (24 hr)	0.90	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Injection Molded)	60		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)	100	%	ISO 527-2/5/50
Flexural Modulus <sup>1</sup> (Injection Molded)	1500	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	7.0	kJ/m <sup>2</sup>	
0°C, Injection Molded	25	kJ/m <sup>2</sup>	
23°C, Injection Molded	No Break		

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	110	°C	ISO 75-2/B
Vicat Softening Temperature	130	°C	ISO 306/A
CLTE - Flow			ASTM D696
-30 to 30°C	7.0E-5	cm/cm/°C	
23 to 80°C	9.0E-5	cm/cm/°C	
NOTE			
1.	Method I (3 point load)		

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#### Recommended distributors for this material

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