

# SABIC® PPcompound 7693

Polypropylene

Saudi Basic Industries Corporation (SABIC)

## Message:

SABIC® PPcompound 7693 is a very high flow mineral filled modified polypropylene. Material properties include very high flow, high stiffness and a good impact resistance. Typical applications include automotive exterior parts such as bumpers, bumper strips and exterior trim. It can be used in painted and unpainted applications with UV stabilization added on demand.

SABIC® PPcompound 7693 is a designated automotive grade.

General Information			
Filler / Reinforcement	Mineral		
Additive	Impact Modifier		
Features	Good Impact Resistance		
	High Flow		
	High Stiffness		
	Impact Modified		
	Paintable		
Uses	Automotive Applications		
	Automotive Bumper		
	Automotive Exterior Parts		
	Automotive Exterior Trim		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	30	g/10 min	ISO 1133
Molding Shrinkage (24 hr)	0.80	%	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	22.0	MPa	
Break, 3.20 mm, Injection Molded	16.0	MPa	
Tensile Strain (Break, 3.20 mm, Injection Molded)	150	%	ISO 527-2/5/50
Flexural Modulus <sup>1</sup> (Injection Molded)	1600	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength (23°C, Injection Molded)	No Break		ISO 179/1eA
Notched Izod Impact Strength			ISO 180/4A
-20°C, Injection Molded	6.0	kJ/m <sup>2</sup>	
0°C, Injection Molded	10	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	135	°C	ISO 306/A
CLTE - Flow			ASTM D696
-30 to 30°C	6.0E-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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