

# SABIC® PPcompound 7715

Polypropylene

Saudi Basic Industries Corporation (SABIC)

## Message:

SABIC® PPcompound 7715 is a mineral filled modified polypropylene. This material combines high scratch resistance with a high stiffness, medium impact and good flow. This material has a broad processing window combined with good esthical performance. Typical applications include esthetical automotive interior parts such as door panels and interior trim.

SABIC® PPcompound 7715 is a designated automotive grade.

General Information			
Filler / Reinforcement	Mineral		
Additive	Impact Modifier		
Features	Good Flow		
	High Scratch Resistance		
	High Stiffness		
	Impact Modified		
	Medium Impact Resistance		
Uses	Automotive Applications		
	Automotive Interior Parts		
	Automotive Interior Trim		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.00	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Molding Shrinkage (24 hr)	0.95	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Injection Molded)	65		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/5/50
Yield, 3.20 mm, Injection Molded	26.0	MPa	
Break, 3.20 mm, Injection Molded	18.0	MPa	
Tensile Strain (Break, 3.20 mm, Injection Molded)	60	%	ISO 527-2/5/50
Flexural Modulus <sup>1</sup> (Injection Molded)	1800	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Injection Molded)	15	kJ/m <sup>2</sup>	ISO 179/1eA

Charpy Unnotched Impact Strength (-40°C, Injection Molded)	40	kJ/m <sup>2</sup>	ISO 179/1eU
Notched Izod Impact Strength			ISO 180/4A
-20°C, Injection Molded	3.0	kJ/m <sup>2</sup>	
0°C, Injection Molded	5.0	kJ/m <sup>2</sup>	
23°C, Injection Molded	8.0	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	115	°C	ISO 75-2/B
Vicat Softening Temperature	135	°C	ISO 306/A
CLTE - Flow			ASTM D696
-30 to 30°C	7.0E-5	cm/cm/°C	
23 to 80°C	1.0E-4	cm/cm/°C	
NOTE			

1. Method I (3 point load)

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#### Recommended distributors for this material

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