

# SABIC® PPcompound 9510E

Polypropylene

Saudi Basic Industries Corporation (SABIC)

## Message:

SABIC® PPcompound 9510E is a mineral filled modified polypropylene for automotive interior applications. This material combines high stiffness, good impact, low emissions and good processing.

SABIC® PPcompound 9510E is a designated automotive grade.

General Information			
Filler / Reinforcement	Mineral		
Additive	Impact Modifier		
Features	Good Impact Resistance		
	Good Processability		
	High Stiffness		
	Impact Modified		
	Low Emissions		
Uses	Automotive Applications		
	Automotive Interior Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.06	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)	0.75	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Injection Molded)	66		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/5/50
Yield, 3.20 mm, Injection Molded	20.4	MPa	
Break, 3.20 mm, Injection Molded	13.6	MPa	
Tensile Strain (Break, 3.20 mm, Injection Molded)	21	%	ISO 527-2/5/50
Flexural Modulus <sup>1</sup> (Injection Molded)	2000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Injection Molded)	22	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (-40°C, Injection Molded)	65	kJ/m <sup>2</sup>	ISO 179/1eU

Notched Izod Impact Strength			ISO 180/4A
-20°C, Injection Molded	4.5	kJ/m <sup>2</sup>	
0°C, Injection Molded	10	kJ/m <sup>2</sup>	
23°C, Injection Molded	30	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	105	°C	ISO 75-2/B
Vicat Softening Temperature	125	°C	ISO 306/A
CLTE - Flow			ASTM D696
-30 to 30°C	5.0E-5	cm/cm/°C	
23 to 80°C	8.0E-5	cm/cm/°C	
NOTE			
1.	Method I (3 point load)		

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#### Recommended distributors for this material

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