

# SABIC® PPcompound 3320EH

Polypropylene

Saudi Basic Industries Corporation (SABIC)

## Message:

SABIC® PPcompound 3320EH is a high flow talcum filled Polypropylene. The stiffness, low emission and heat aging performance make it suited for use in applications at elevated temperatures and emission requirements.

SABIC® PPcompound 3320EH is a designated automotive grade.

General Information			
Filler / Reinforcement	Talc		
Features	Good Heat Aging Resistance		
	High Flow		
	Low Emissions		
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)	20	g/10 min	ISO 1133
Molding Shrinkage (24 hr)	1.1	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Injection Molded)	72		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/5/50
Yield, 3.20 mm, Injection Molded	30.0	MPa	
Break, 3.20 mm, Injection Molded	25.0	MPa	
Tensile Strain (Break, 3.20 mm, Injection Molded)	15	%	ISO 527-2/5/50
Flexural Modulus <sup>1</sup> (Injection Molded)	2600	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/4A
0°C, Injection Molded	2.2	kJ/m <sup>2</sup>	
23°C, Injection Molded	2.7	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	120	°C	ISO 75-2/B
Vicat Softening Temperature	150	°C	ISO 306/A
CLTE - Flow			ASTM D696
-30 to 30°C	5.0E-5	cm/cm/°C	

23 to 80°C	9.0E-5	cm/cm/°C
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NOTE

1.
- Method I (3 point load)

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