

# SABIC® PPcompound 2636

Polypropylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC®PPcompound 2636 is a polypropylene product that contains mineral fillers. It can be processed by injection molding and is available in Europe. Typical application areas are: automotive industry.

General Information			
Filler / Reinforcement	Mineral filler		
Uses	Application in Automobile Field		
Forms	Particle		
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)	8.5	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/5/50
Yield, 3.20mm	25.0	MPa	ISO 527-2/5/50
Fracture, 3.20mm	18.0	MPa	ISO 527-2/5/50
Tensile Strain (Break, 3.20 mm)	55	%	ISO 527-2/5/50
Flexural Modulus <sup>1</sup>	1600	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	35	kJ/m <sup>2</sup>	ISO 179
Notched Izod Impact			ISO 180/3A
0°C	7.0	kJ/m <sup>2</sup>	ISO 180/3A
23°C	No Break		ISO 180/3A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	95.0	°C	ISO 75-2/B
Vicat Softening Temperature	140	°C	ISO 306/A50
CLTE - Flow	6.0E-5	cm/cm/°C	ASTM D696
Additional Information			
Mold Shrinkage, SABIC Method: 1%			
NOTE			
1.	Method I (three-point load)		

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