

SABIC® PPcompound 2401-1

Polypropylene

Saudi Basic Industries Corporation (SABIC)

Message:

A grade which offers excellent acoustic insulation properties, specially developed for wheel well cladding.

General Information			
Filler / Reinforcement	Mineral filler		
Uses	Application in Automobile Field		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
230°C/2.16 kg	7.0	g/10 min	ISO 1133
230°C/5.0 kg	30	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/5/50
Yield, 3.20mm	11.0	MPa	ISO 527-2/5/50
Fracture, 3.20mm	12.0	MPa	ISO 527-2/5/50
Tensile Strain (Break, 3.20 mm)	500	%	ISO 527-2/5/50
Flexural Modulus ¹	600	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	No Break		ISO 179
Charpy Unnotched Impact Strength (-40°C)	No Break		ISO 179
Notched Izod Impact			ISO 180/3A
-40°C	5.0	kJ/m ²	ISO 180/3A
-20°C	15	kJ/m ²	ISO 180/3A
0°C	No Break		ISO 180/3A
23°C	No Break		ISO 180/3A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	60.0	°C	ISO 75-2/B
Vicat Softening Temperature	105	°C	ISO 306/A50
CLTE - Flow	1.0E-4	cm/cm/°C	ASTM D696
Additional Information			
Mold Shrinkage, SABIC Method: 1.1%			
NOTE			

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