

SABIC® PPcompound MB7450

Polypropylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® PPcompound MB7450 is a mineral filled modified polypropylene. The intended use of this material is in molding it in 1 to 1 ratio with SABIC®PP 90910 and as such not designed for sole use in applications. Using the material in the intended way will result in a molded part with a material with a property profile like SABIC® PPcompound 7450.
SABIC® PPcompound MB7450 is a designated automotive grade.

General Information			
Filler / Reinforcement	Mineral		
Additive	Impact Modifier		
Features	Impact Modified		
Uses	Automotive Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Injection Molded)	60		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/5/50
Yield, 3.20 mm, Injection Molded	18.0	MPa	
Break, 3.20 mm, Injection Molded	18.0	MPa	
Tensile Strain (Break, 3.20 mm, Injection Molded)	300	%	ISO 527-2/5/50
Flexural Modulus ¹ (Injection Molded)	1300	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (-20°C, Injection Molded)	10	kJ/m²	ISO 180/4A
NOTE			
1.	Method I (3 point load)		

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Recommended distributors for this material

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