

SABIC® PPcompound 8503

Polypropylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® PPcompound 8503 is a development grade, modified mineral filled Polypropylene for automotive exterior applications. This material has been designed to combine excellent paint adhesions, high modulus and high impact.

SABIC® PPcompound 8503 is a designated automotive grade.

General Information			
Filler / Reinforcement	Mineral filler, 20% filler by weight		
Additive	Impact modifier		
Features	Impact modification		
	Impact resistance, high		
	Sprayable		
Uses	Application in Automobile Field		
	Automotive exterior parts		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Molding Shrinkage (24 hr)	0.75 - 0.80	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1650	MPa	ISO 527-2/1A
Tensile Stress			ISO 527-2/1A
Yield, injection molding	20.0	MPa	ISO 527-2/1A
Fracture, injection molding	12.0	MPa	ISO 527-2/1A
Tensile Strain (Break, Injection Molded)	40	%	ISO 527-2/1A
Flexural Modulus ¹ (Injection Molded)	1700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	No Break		ISO 180/1A
NOTE			
1.	Type 1A		

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