

SABIC® PPcompound 8536

Polypropylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® PPcompound 8536 is a development grade, elastomer-modified mineral filled Polypropylene for painted automotive exterior applications. This material has been designed to combine a good performance profile with good processing.

SABIC® PPcompound 8536 is a designated automotive grade.

General Information			
Filler / Reinforcement	Mineral		
Additive	Impact Modifier		
Features	Good Processability		
	Impact Modified		
	Paintable		
Uses	Automotive Applications		
	Automotive Exterior Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.00	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Molding Shrinkage (24 hr)	0.50	%	Internal Method
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	18.5	MPa	
Break, 3.20 mm, Injection Molded	13.5	MPa	
Tensile Strain (Break, 3.20 mm, Injection Molded)	> 150	%	ISO 527-2/5/50
Flexural Modulus ¹ (Injection Molded)	1550	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Injection Molded)	45	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (-40°C, Injection Molded)	No Break		ISO 179/1eU
Notched Izod Impact Strength			ISO 180/4A
-20°C, Injection Molded	10	kJ/m ²	

0°C, Injection Molded	60	kJ/m ²	
23°C, Injection Molded	60	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	95.0	°C	ISO 75-2/B
CLTE - Flow			ASTM D696
-30 to 30°C	5.5E-5	cm/cm/°C	
23 to 80°C	6.5E-5	cm/cm/°C	
NOTE			

1. Method I (3 point load)

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Recommended distributors for this material

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