

SABIC® PPcompound 7575

Polypropylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® PPcompound 7575 is a modified mineral filled Polypropylene for fully painted automotive exterior applications. This material combines good flow, good stiffness with a high impact and an excellent elongation at break.

SABIC®PPcompound 7575 is a designated automotive grade.

General Information			
Filler / Reinforcement	Mineral		
Additive	Impact Modifier		
Features	Good Flow		
	Good Stiffness		
	High Elongation		
	High Impact Resistance		
	Impact Modified		
Uses	Paintable		
	Automotive Applications		
Forms	Automotive Exterior Parts		
	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Molding Shrinkage (24 hr)	0.60	%	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	18.0	MPa	
Break, 3.20 mm, Injection Molded	14.0	MPa	
Tensile Strain (Break, 3.20 mm, Injection Molded)	> 200	%	ISO 527-2/5/50
Flexural Modulus ¹ (Injection Molded)	1400	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Injection Molded)	No Break		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	No Break		
23°C, Injection Molded	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	100	°C	ISO 75-2/B
Vicat Softening Temperature	125	°C	ISO 306/A
CLTE - Flow			ASTM D696
-30 to 30°C	5.0E-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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