

SABIC® PPcompound 7251U

Polypropylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® PPcompound 7251U is a development grade, elastomer-modified mineral filled Polypropylene for automotive exterior applications. This material has been designed to combine a good performance profile with good processing. The grade is UV stabilized and suited for unpainted exterior applications.

SABIC® PPcompound 7251U is a designated automotive grade.

General Information			
Filler / Reinforcement	Mineral filler		
Additive	Impact modifier		
	UV stabilizer		
Features	Impact modification		
	Good UV resistance		
	Workability, good		
Uses	Application in Automobile Field		
	Automotive exterior parts		
Forms	Particle		
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)	14	g/10 min	ISO 1133
Molding Shrinkage (24 hr)	0.90	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/5/50
Yield, 3.20mm, injection molding	15.0	MPa	ISO 527-2/5/50
Fracture, 3.20mm, injection molding	11.0	MPa	ISO 527-2/5/50
Tensile Strain (Break, 3.20 mm, Injection Molded)	> 50	%	ISO 527-2/5/50
Flexural Modulus ¹ (Injection Molded)	1200	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/4A
-20°C, injection molding	10	kJ/m ²	ISO 180/4A
0°C, injection molding	20	kJ/m ²	ISO 180/4A
23°C, injection molding	No Break		ISO 180/4A
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow			ASTM D696

-30 to 30°C	6.0E-5	cm/cm/°C	ASTM D696
23 to 80°C	1.0E-4	cm/cm/°C	ASTM D696
NOTE			
1.	Method I (three-point load)		

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Recommended distributors for this material

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