

SABIC® PPcompound 8611

Polypropylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® PPcompound 8611 is a development grade, elastomer-modified mineral filled Polypropylene for automotive exterior applications. This material has been designed to combine a good stiffness and excellent impact performance with good processing and surface esthetics. AN UV stabilised grade is available as well (8611P).

SABIC® PPcompound 8611 is a designated automotive grade.

General Information			
Filler / Reinforcement	Mineral filler, 12% filler by weight		
Additive	Impact modifier		
Features	Impact modification		
	Rigid, good		
	Impact resistance, high		
	Workability, good		
Uses	Application in Automobile Field		
	Automotive exterior parts		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.985	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	32	g/10 min	ISO 1133
Molding Shrinkage (24 hr)	0.70	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1500	MPa	ISO 527-2/1A
Tensile Stress			ISO 527-2/1A
Yield, injection molding	20.0	MPa	ISO 527-2/1A
Fracture, injection molding	15.0	MPa	ISO 527-2/1A
Tensile Strain (Break, Injection Molded)	60	%	ISO 527-2/1A
Flexural Modulus ¹ (Injection Molded)	1600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-20°C, injection molding	10	kJ/m ²	ISO 180/1A
0°C, injection molding	30	kJ/m ²	ISO 180/1A
23°C, injection molding	40	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			

0.45 MPa, not annealed	95.0	°C	ISO 75-2/B
1.8 MPa, not annealed	53.0	°C	ISO 75-2/A
CLTE - Flow (-30 to 100°C)	6.5E-5	cm/cm/°C	ISO 11359-2

NOTE

1. Type 1A

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