SABIC® PPcompound 8250U

Polypropylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® PPcompound 8250U is a mineral filled modified polypropylene for use in Automotive exterior unpainted applications. This material has been designed to combine good mechanical performance in combination with excellent esthetical performance.
SABIC® PPcompound 8250U is a designated automotive grade.

General Information	
Filler / Reinforcement	Mineral filler
Additive	Impact modifier
Features	Impact modification
Uses	Application in Automobile Field
	Automotive exterior parts

Forms	Particle
Processing Method	Injection molding

Physical	Nominal Value	Unit	Test Method
Density	0.970	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Molding Shrinkage (24 hr)	0.90	%	Internal method

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/1A
Yield, injection molding	16.0	MPa	ISO 527-2/1A
Fracture, injection molding	12.0	MPa	ISO 527-2/1A
Tensile Strain (Break, Injection Molded)	100	%	ISO 527-2/1A
Flexural Modulus (Injection Molded)	1300	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/4A
-20°C, injection molding	10	kJ/m²	ISO 180/4A
0°C, injection molding	25	kJ/m²	ISO 180/4A
23°C, injection molding	No Break		ISO 180/4A

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	52.0	°C	ASTM D648
CLTE - Flow (-30 to 100°C)	9.0E-5	cm/cm/°C	ASTM D696