

SABIC® PPcompound 8710U

Polypropylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® PPcompound 8710U is a development grade, it is an elastomer-modified mineral filled Polypropylene for esthetic automotive exterior applications. This material has been designed to combine a good performance profile with good processing and excellent scratch performance. SABIC® PPcompound 8710U is a designated automotive grade.

General Information			
Filler / Reinforcement	Mineral		
Additive	Impact Modifier		
Features	Good Processability		
	Impact Modified		
	Scratch Resistant		
Uses	Automotive Applications		
	Automotive Exterior Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	30	g/10 min	ISO 1133
Molding Shrinkage (24 hr)	0.70	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/1A/50
Yield, Injection Molded	19.0	MPa	
Break, Injection Molded	14.0	MPa	
Tensile Strain (Break, Injection Molded)	30	%	ISO 527-2/1A/50
Flexural Modulus ¹ (Injection Molded)	2000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Injection Molded)	35	kJ/m ²	ISO 179/1eA
Notched Izod Impact Strength			ISO 180/4A
-20°C, Injection Molded	4.0	kJ/m ²	
0°C, Injection Molded	10	kJ/m ²	
23°C, Injection Molded	30	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	115	°C	ISO 75-2/B
CLTE - Flow			ASTM D696

-30 to 30°C	5.5E-5	cm/cm/°C
23 to 80°C	7.0E-5	cm/cm/°C

NOTE

1.
- Method I (3 point load)

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Recommended distributors for this material


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