

SABIC® PPcompound 8750U

Polypropylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® PPcompound 8750U is a development grade, elastomer-modified mineral filled Polypropylene for unpainted automotive exterior applications. The grade is UV stabilized and has been designed to combine a good performance profile with good processing. SABIC® PPcompound 8750U is a designated automotive grade.

General Information			
Filler / Reinforcement	Mineral		
Additive	Impact Modifier		
	UV Stabilizer		
Features	Good Processability		
	Good UV Resistance		
	Impact Modified		
Uses	Automotive Applications		
	Automotive Exterior Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ISO 1133
Molding Shrinkage (24 hr)	0.80	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/1A/50
Yield, Injection Molded	20.0	MPa	
Break, Injection Molded	13.5	MPa	
Tensile Strain (Break, Injection Molded)	80	%	ISO 527-2/1A/50
Flexural Modulus ¹ (Injection Molded)	1750	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/4A
-20°C, Injection Molded	7.0	kJ/m ²	
0°C, Injection Molded	20	kJ/m ²	
23°C, Injection Molded	50	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	105	°C	ISO 75-2/B

CLTE - Flow		ASTM D696
-30 to 30°C	6.0E-5	cm/cm/°C
23 to 80°C	8.0E-5	cm/cm/°C

NOTE

- Method I (3 point load)

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