

SABIC® PPcompound 1820

Polypropylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® PPcompound 1820 is a development grade, elastomer-modified mineral filled Polypropylene. This material has been designed to combine a good mechanical performance profile with good processing.

General Information			
Filler / Reinforcement	Mineral filler		
Additive	Impact modifier		
Features	Impact modification		
	Workability, good		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	30	g/10 min	ISO 1133
Molding Shrinkage (24 hours, 3.20mm)	1.0	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/1A
Yield, injection molding	24.5	MPa	ISO 527-2/1A
Fracture, injection molding	20.0	MPa	ISO 527-2/1A
Tensile Strain (Break, Injection Molded)	10	%	ISO 527-2/1A
Flexural Modulus (Injection Molded)	2600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	4.0	kJ/m ²	ISO 180/1A

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Recommended distributors for this material

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