

SABIC® PPcompound 31T1010

Polypropylene Impact Copolymer

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® PPcompound 31T1010 is a 10% talc-filled polypropylene copolymer for general purpose applications.

General Information			
Filler / Reinforcement	Talc filler, 10% filler by weight		
Features	Block Copolymer		
Uses	General		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.970	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ISO 1133
Molding Shrinkage (24 hours, 3.20mm)	1.3	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1650	MPa	ISO 527-2/1A
Tensile Stress (Break, Injection Molded)	23.0	MPa	ISO 527-2/1A
Tensile Strain (Break, Injection Molded)	54	%	ISO 527-2/1A
Flexural Modulus (Injection Molded)	1750	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-20°C, injection molding	6.0	kJ/m ²	ISO 180/1A
0°C, injection molding	8.0	kJ/m ²	ISO 180/1A
23°C, injection molding	13	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	110	°C	ISO 75-2/B
1.8 MPa, not annealed	59.0	°C	ISO 75-2/A

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