

SABIC® PPcompound G3230A

SABIC - Polypropylene

 Units ▼

Action

 Legend ([Open](#))

General Information
Product Description

SABIC® PPcompound G3230A is a 30% short glass fiber reinforced Polypropylene for under-the-hood and structural applications. The base material is a PP homopolymer and is available in standard black. The glass fibres are chemically coupled to the PP matrix. This material has been designed to combine a good performance profile with fast processing.

SABIC® PPcompound G3230A is a designated automotive grade.

IMDS ID: 109612410

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Chemically Coupled	• Heat Stabilized	• Homopolymer
Uses	• Automotive Applications • Automotive Exterior Parts • Automotive Under the Hood	• Construction Applications • Electrical/Electronic Applications • Lawn and Garden Equipment	• Outdoor Applications
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ISO 1133
Molding Shrinkage ² (24 hr, 3.20 mm)	0.60	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	93.0	MPa	ISO 527-2/1A
Tensile Strain (Break)	3.0	%	ISO 527-2/1A
Flexural Modulus ³	6900	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	150	°C	ISO 75-2/A
CLTE - Flow (-30 to 100°C)	4.0E-5	cm/cm/°C	ISO 11359-2
Additional Information	Nominal Value	Unit	Test Method
Filler Content	30	%	Internal Method

Notes

¹ Typical properties: these are not to be construed as specifications.

² 65x65x3.2 mm

³ Type 1A

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