

SABIC® PP COMPOUND G3135X

PP SHORT GLASS FIBER REINFORCED

DESCRIPTION

SABIC® PP compound G3135X is a 35% short glass fiber reinforced Polypropylene. This material has been designed for high stiffness, high impact, high heat resistance and chemical resistance. The glass fibres are chemically coupled to the PP matrix. Typical application of this material would include air inlet manifolds. The material is available in standard black.

SABIC® PP compound G3135X is a designated automotive grade.

IMDS ID: 136528620

TYPICAL PROPERTY VALUES

Revision 20180807

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	1.2	dg/min	ISO 1133
Density	1170	kg/m ³	ISO 1183
Mould shrinkage			
24 hours after injection moulding	0,4	%	SABIC method
MECHANICAL PROPERTIES			
Tensile test			
Tensile modulus	7700	MPa	ISO 527/1A
stress at break	107	MPa	ISO 527/1A
strain at break	4	%	ISO 527/1A
Flexural test			
Flexural modulus	8100	MPa	ISO 178
Charpy Impact Strength Notched			
at 23 °C	15	kJ/m ²	ISO 179/1eA
THERMAL PROPERTIES			
Heat deflection temperature			
at 1.80 MPa (HDT/A)	152	°C	ISO 75

STORAGE AND HANDLING

Avoid prolonged storage in open sunlight, high temperatures (<50 °C) and/or high humidity as this could well speed up alteration and consequently loss of quality of the material and/or its packaging. Keep material completely dry for good processing.

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