

# SABIC<sup>®</sup> PPCOMPOUND G3135X

PP SHORT GLASS FIBER REINFORCED

## DESCRIPTION

SABIC<sup>®</sup> PPcompound 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<sup>®</sup> PPcompound G3135X is a designated automotive grade.

IMDS ID: 136528620

## TYPICAL PROPERTY VALUES

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

## QUALITY

SABIC is fully certified in accordance with the internationally accepted quality standard ISO9001.

## 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.