



SABIC[®] PPCOMPOUND G3135X

PP SHORT GLASS FIBER REINFORCED

DESCRIPTION

SABIC[®] 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[®] PPcompound G3135X is a designated automotive grade.

IMDS ID: 136528620

TYPICAL PROPERTY VALUES

Revision 20181012

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|---------------------------------------|----------------|-------------------|--------------|
| POLYMER PROPERTIES | | | |
| Melt Flow Rate | | | |
| 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 |

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.

DISCLAIMER

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