

Product Texts

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

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	7700	MPa	ISO 527
Stress at break	107	MPa	ISO 527
Strain at break	4	%	ISO 527
Flexural modulus, 23°C	8100	MPa	ISO 178
Charpy impact strength, +23°C	60	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	15	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	152	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	160	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1170	kg/m ³	ISO 1183