

SABIC® G3240A

SABIC® PPcompound G3240A is a 40% 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. SABIC® PPcompound G3240A is a designated automotive grade. IMDS ID: 139448304
Information provided by SABIC

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	Injection molded sample ISO527-1A; ISO 1183

Filler Content	40 %	40 %	SABIC method
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Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	Injection molded plaque 65x65x3.2mm; SABIC method
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Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 230 °C	5.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133
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Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	110 MPa	16000 psi	ISO 527/1A

Elongation at Yield	2.9 %	2.9 %	ISO 527/1A
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Tensile Modulus	8.90 GPa	1290 ksi	ISO 527/1A
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Flexural Modulus	8.90 GPa	1290 ksi	ISO 178/1A
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Charpy Impact, Notched	1.00 J/cm ²	4.76 ft-lb/in ²	ISO 179/1eA
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Thermal Properties	Metric	English	Comments
CTE, linear	42.0 µm/m-°C @Temperature -30.0 - 100 °C	23.3 µin/in-°F @Temperature -22.0 - 212 °F	ISO 11359-2

Deflection Temperature at 1.8 MPa (264 psi)	153 °C	307 °F	ISO 75
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