

ECOMID® B GF15 BK 9005/1

ECOMID®

Product information

Resin Identification	PA6-GF15	ISO 1043
Part Marking Code	>PA6-GF15<	ISO 11469

Typical mechanical properties

Tensile modulus	6300 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	110 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	3.2 %	ISO 527-1/-2
Flexural modulus	5500 MPa	ISO 178
Flexural strength	180 MPa	ISO 178
Charpy notched impact strength, 23°C	3.5 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.35 ^[C]	

[C]: Calculated

Thermal properties

Temperature of deflection under load, 1.8 MPa	195 °C	ISO 75-1/-2
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Physical/Other properties

Humidity absorption, 2mm	2.2 %	Sim. to ISO 62
Water absorption, 2mm	7.8 %	Sim. to ISO 62
Density	1220 kg/m ³	ISO 1183

Injection

Drying Recommended	yes
Drying Temperature	80 °C
Drying Time, Dehumidified Dryer	2 - 4 h
Processing Moisture Content	≤0.15 %
Melt Temperature Optimum	250 °C
Min. melt temperature	235 °C
Max. melt temperature	280 °C
Screw tangential speed	≤0.2 m/s
Mold Temperature Optimum	80 °C
Min. mould temperature	60 °C
Max. mould temperature	120 °C

Characteristics

Processing	Injection Moulding
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Automotive

OEM	STANDARD	ADDITIONAL INFORMATION
VW Group	VW 50125	*Best Fitting Grade To PA6-4, Not Officially Approved
VW Group	VW 50134	*Best Fitting Grade To PA6-3-A, Not Officially Approved