

# ECOMID® B GF20 BK 9005/1

## ECOMID®

### Product information

Resin Identification	PA6-GF20	ISO 1043
Part Marking Code	>PA6-GF20<	ISO 11469

### Typical mechanical properties

	dry/cond.		
Tensile modulus	7400/-	MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	115/-	MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.6/-	%	ISO 527-1/-2
Flexural modulus	7000/-	MPa	ISO 178
Flexural strength	210/-	MPa	ISO 178
Charpy notched impact strength, 23°C	5.5/-	kJ/m <sup>2</sup>	ISO 179/1eA
Poisson's ratio	0.35/- <sup>[C]</sup>		

[C]: Calculated

### Thermal properties

	dry/cond.		
Temperature of deflection under load, 1.8 MPa	204/*	°C	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	213/*	°C	ISO 75-1/-2

### Physical/Other properties

	dry/cond.		
Density	1260/-	kg/m <sup>3</sup>	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 PA6-5, Not Officially Approved