

ECOMID® B BK 9005/1

ECOMID®

Product information

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

Typical mechanical properties

	dry/cond.		
Tensile modulus	3300 / 1400	MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	70 / 40	MPa	ISO 527-1/-2
Tensile strain at break, 50mm/min	16 / 20	%	ISO 527-1/-2
Flexural modulus	2800 / -	MPa	ISO 178
Flexural strength	100 / -	MPa	ISO 178
Charpy notched impact strength, 23 °C	5 / 10	kJ/m ²	ISO 179/1eA
Poisson's ratio	0.37 / 0.43 ^[C]		

[C]: Calculated

Physical/Other properties

	dry/cond.		
Humidity absorption, 2mm	2.6 / *	%	Sim. to ISO 62
Water absorption, 2mm	9.3 / *	%	Sim. to ISO 62
Density	1130 / -	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	260 °C
Min. melt temperature	235 °C
Max. melt temperature	270 °C
Screw tangential speed	≤0.3 m/s
Mold Temperature Optimum	70 °C
Min. mould temperature	50 °C
Max. mould temperature	100 °C

Characteristics

Processing	Injection Moulding
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Automotive

OEM	STANDARD	ADDITIONAL INFORMATION
VW Group	VW 50125	*Best Fitting Grade To PA6-1, Not Officially Approved
VW Group	VW 50134	*Best Fitting Grade To PA6-1, Not Officially Approved