

ECOMID® A H J12 BK 9004/2

ECOMID®

General purpose grade, designed for Automotive industry, maximum toughness.

Product information

Resin Identification	PA66-I	ISO 1043
Part Marking Code	>PA66-I<	ISO 11469

Rheological properties

Moulding shrinkage range, parallel	1.3 - 1.9 %	ISO 294-4, 2577
Moulding shrinkage range, normal	1.3 - 1.9 %	ISO 294-4, 2577

Typical mechanical properties

	dry/cond.		
Tensile modulus	1600 /-	MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	45 /-	MPa	ISO 527-1/-2
Charpy impact strength, 23°C	N /-	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	>80 /-	kJ/m ²	ISO 179/1eA
Izod notched impact strength, 23°C	80 /-	kJ/m ²	ISO 180/1A
Poisson's ratio	0.42 /-	[C]	
[C]: Calculated			

Thermal properties

	dry/cond.		
Melting temperature, 10°C/min	260 / *	°C	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	60 / *	°C	ISO 75-1/-2

Physical/Other properties

	dry/cond.		
Humidity absorption, 2mm	1.7 / *	%	Sim. to ISO 62
Water absorption, 2mm	6.3 / *	%	Sim. to ISO 62
Density	1060 /-	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	290 °C
Min. melt temperature	280 °C
Max. melt temperature	300 °C
Screw tangential speed	≤0.3 m/s
Mold Temperature Optimum	80 °C
Min. mould temperature	50 °C
Max. mould temperature	100 °C

Characteristics

Processing	Injection Moulding
Additives	Nucleated
Special characteristics	High impact or impact modified, Heat stabilised or stable to heat

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ECOMID®

Automotive

OEM

Mercedes-Benz

STANDARD

DBL5416

ADDITIONAL INFORMATION

Daimler- EQ Models-Schwanden- Jack Pads
Plugs
