

ECOMID[®] A H GF30 BK 9004/2B

Designed for Automotive Industry, suitable for many other technological applications. Good combination of mechanical and thermal performances.

Resin Identification ISO 1043 PA66-GF30 Part Marking Code >PA66-GF30< ISO 11469 **Rheological properties** dry/cond. cm³/10min Melt volume-flow rate 30/* ISO 1133 Temperature 275/* °C 5/* Load kg Moulding shrinkage range, parallel 0.3 - 0.6 ISO 294-4, 2577 % Moulding shrinkage range, normal 0.6 - 0.9 % ISO 294-4, 2577 Typical mechanical properties dry/cond. Tensile modulus 9800/-MPa ISO 527-1/-2 Tensile stress at break. 5mm/min 150/-MPa ISO 527-1/-2 % Tensile strain at break, 5mm/min 2.5/-ISO 527-1/-2 Charpy impact strength, 23°C 45/kJ/m² ISO 179/1eU Charpy notched impact strength, 23°C 6/kJ/m² ISO 179/1eA 0.34/-^[C] Poisson's ratio [C]: Calculated Thermal properties dry/cond. Melting temperature, 10°C/min 265/* °C ISO 11357-1/-3 Temperature of deflection under load, 1.8 MPa 240/* °C ISO 75-1/-2 Flammability dry/cond. Burning Behav. at 1.5mm nom. thickn. HB/* class IEC 60695-11-10 Physical/Other properties dry/cond. Humidity absorption, 2mm 1.6/* % Sim. to ISO 62 Water absorption, 2mm 5.8/* % Sim. to ISO 62 Density 1360/-ISO 1183 kg/m³ Injection **Drying Recommended** yes **Drying Temperature** 80 °C Drying Time, Dehumidified Dryer 2-4 h ≤0.15 % Processing Moisture Content Melt Temperature Optimum 285 °C Min. melt temperature 275 °C Max. melt temperature 295 °C

≤0.2 m/s

100 °C

70 °C

Screw tangential speed Mold Temperature Optimum Min. mould temperature

Product information

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Max. mould temperature

120 °C

Characteristics

Processing Delivery form Special characteristics Injection Moulding Granules Heat stabilised or stable to heat

Revised: 2024-11-26 Source: Celanese Materials Database

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Page: 2 of 2