



CELANYL® A2 HH GF33 BK 9005/1A **CELANYL®**

Product information

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Resin Identification	PA66-GF33		ISO 1043
Part Marking Code	>PA66-GF33<		ISO 11469
Typical mechanical properties	dry/cond.		
Tensile modulus	12200/-	MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	185/-	MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.3/-	%	ISO 527-1/-2
Flexural modulus	10800/-	MPa	ISO 178
Flexural strength	280/-	MPa	ISO 178
Charpy notched impact strength, 23°C	11.5/-	kJ/m²	ISO 179/1eA
Poisson's ratio	0.33/- ^[C]		
[C]: Calculated			
Thermal properties	dry/cond.		
Temperature of deflection under load, 1.8 MPa	250/*	°C	ISO 75-1/-2
Physical/Other properties	dry/cond.		
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Density 1390/kg/m³ 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	295	°C
Min. melt temperature	285	°C
Max. melt temperature	305	°C
Screw tangential speed	≤0.2	m/s
Mold Temperature Optimum	100	°C
Min. mould temperature	70	°C
Max. mould temperature	120	°C

Characteristics

Processing Injection Moulding

Special characteristics Heat stabilised or stable to heat

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Revised: 2024-01-23 Source: Celanese Materials Database

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