

CELANYL® B3 GFB2015 RD 3002/S/UV

CELANYL®

General purpose grade, suitable for outdoor uses in technical and aesthetical applications.

Product information

Resin Identification	PA6-(GF+GB)35	ISO 1043
Part Marking Code	>PA6-(GF+GB)35<	ISO 11469

Typical mechanical properties

	dry/cond.		
Tensile modulus	7900/-	MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	105/-	MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.4/-	%	ISO 527-1/-2
Charpy impact strength, 23°C	35/-	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	4.9/-	kJ/m ²	ISO 179/1eA
Poisson's ratio	0.35/- ^[C]		

[C]: Calculated

Thermal properties

	dry/cond.		
Melting temperature, 10°C/min	225/*	°C	ISO 11357-1/-3

Physical/Other properties

	dry/cond.		
Humidity absorption, 2mm	1.8/*	%	Sim. to ISO 62
Water absorption, 2mm	6/*	%	Sim. to ISO 62
Density	1400/-	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	240 °C
Max. melt temperature	290 °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
Delivery form	Granules
Special characteristics	U.V. stabilised or stable to weather, Heat stabilised or stable to heat, Specialty appearance, Low Warpage