

CELANYL® B2 W J20 NC 1102/1

CELANYL®

Product information

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

Typical mechanical properties

	dry/cond.		
Tensile modulus	2050/-	MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	52/-	MPa	ISO 527-1/-2
Tensile strain at break, 50mm/min	50/-	%	ISO 527-1/-2
Flexural modulus	1800/-	MPa	ISO 178
Flexural strength	63/-	MPa	ISO 178
Charpy notched impact strength, 23°C	50/-	kJ/m ²	ISO 179/1eA
Poisson's ratio	0.4/- ^[C]		
Shore D hardness, 15s	74/-		ISO 48-4 / ISO 868

[C]: Calculated

Thermal properties

	dry/cond.		
Temperature of deflection under load, 1.8 MPa	54/*	°C	ISO 75-1/-2

Flammability

	dry/cond.		
Burning Behav. at thickness h	HB/*	class	IEC 60695-11-10
Thickness tested	3.2/*	mm	IEC 60695-11-10

Physical/Other properties

	dry/cond.		
Density	1070/-	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
Special characteristics	High impact or impact modified, Heat stabilised or stable to heat