

CELANYL® B2 W NC 1102/1

Typical mechanical properties

Tensile Modulus	3150 MPa	ISO 527-1/-2
Yield stress, 50mm/min	85 MPa	ISO 527-1/-2
Strain at break, 50mm/min	>10 %	ISO 527-1/-2
Flexural Modulus	2800 MPa	ISO 178
Flexural Strength	100 MPa	ISO 178
Charpy notched impact strength, 23°C	2 kJ/m ²	ISO 179/1eA
Shore D hardness, 15s	80.3	ISO 48-4 / ISO 868

Thermal properties

Temp. of deflection under load, 1.8 MPa	66 °C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	177 °C	ISO 75-1/-2

Other properties

Density	1130 kg/m ³	ISO 1183
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Injection

Drying Temperature	80 - 90 °C
Drying Time, Dehumidified Dryer	4 - 8 h
Processing Moisture Content	0.15 %
Max. mould temperature	60 - 80 °C

