



CELANYL® A2 HH D14 NC 1102/2

CELANYL®

Medium toughened grade, good surface appearance and good processability. Suitable for many technical applications.

μ	rc	M	tι	ni	\cap r	m	at	ion

Resin Identification	PA66-I	ISO 1043
Part Marking Code	>PA66-I<	ISO 11469
Continuous Service Temperature	105 °C	IEC 60216-1

Rheological properties

Moulding shrinkage range, parallel	1.1 - 1.7 %	ISO 294-4, 2577
Moulding shrinkage range, normal	1.1 - 1.7 %	ISO 294-4, 2577

dry/cond.

Typical mechanical properties

Tensile modulus	2250/-	MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	65/-	MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	7/-	%	ISO 527-1/-2
Tensile strain at break, 50mm/min	40/-	%	ISO 527-1/-2
Flexural modulus	2050/-	MPa	ISO 178
Flexural strength	80/-	MPa	ISO 178
Charpy impact strength, 23°C	N/-	kJ/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	19/-	kJ/m²	ISO 179/1eA
Poisson's ratio	0.39/- ^[C]		
[C]. Calaulatad			

[C]: Calculated

Thermal properties	dn	v/cond.
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Temperature of deflection under load	. 1.8 MPa	60/*	°C	ISO 75-1/-2

Flammability

Burning Behav. at 1.5mm nom. thickn.	HB/* class	IEC 60695-11-10
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dry/cond.

dry/cond.

Physical/Other properties

Humidity absorption, 2mm	1.1/*	%	Sim. to ISO 62
Water absorption, 2mm	7.1/*	%	Sim. to ISO 62
Density	1090/-	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	290 °C
Min. melt temperature	280 °C
Max. melt temperature	300 °C
Screw tangential speed	≤0.3 m/s
Mold Temperature Optimum	80 °C
Min. mould temperature	50 °C
Max. mould temperature	100 °C

Printed: 2025-05-29 Page: 1 of 2

Revised: 2024-08-16 Source: Celanese Materials Database

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Characteristics

Processing Injection Moulding

Delivery form Granules

Special characteristics High impact or impact modified, Heat stabilised or stable to heat

Printed: 2025-05-29 Page: 2 of 2

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