



# CELANYL® A3 J20 NC 1102/E

**CELANYL®** 

Car industry, Household appliances, Electrical devices.

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Resin Identification	PA66-I	ISO 1043
Part Marking Code	>PA66-I<	ISO 11469
Continuous Service Temperature	85 °C	IEC 60216-1

## Rheological properties

Moulding shrinkage range, parallel	1.2 - 1.6 %	ISO 294-4, 2577
Moulding shrinkage range, normal	1.2 - 1.6 %	ISO 294-4, 2577

dry/cond.

#### Typical mechanical properties

Tensile modulus	1800/-	MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	49/-	MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	10/-	%	ISO 527-1/-2
Flexural modulus	1700/-	MPa	ISO 178
Flexural strength	65/-	MPa	ISO 178
Charpy impact strength, 23°C	N/-	kJ/m²	ISO 179/1eU
Izod notched impact strength, 23°C	75/-	kJ/m²	ISO 180/1A
Izod notched impact strength, -30°C	20.0/-	kJ/m²	ISO 180/1A
Poisson's ratio	0.41/- <sup>[C]</sup>		

#### [C]: Calculated

Thermal properties dry/d	perties dry/cond.
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Melting temperature, 10°C/min	260/*	$^{\circ}\mathrm{C}$	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	60/*	°C	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	160/*	°C	ISO 75-1/-2

## Physical/Other properties

Humidity absorption, 2mm	1.7/*	%	Sim. to ISO 62
Water absorption, 2mm	6.8/*	%	Sim. to ISO 62
Density	1060/-	kg/m³	ISO 1183

dry/cond.

## Injection

yes
80 °C
2-4 h
≤0.15 %
290 °C
280 °C
300 °C
≤0.3 m/s
80 °C
50 °C
100 °C

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#### Characteristics

Processing Injection Moulding

Special characteristics High impact or impact modified

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