

# CELANYL® A2 HH J16 NC 1102/2B

## CELANYL®

*Designed for Automotive Industry, suitable for all those applications that require excellent impact performance and flexibility, long term heat ageing resistance.*

### Product information

Resin Identification	PA66-I	ISO 1043
Part Marking Code	>PA66-I<	ISO 11469

### Rheological properties

Moulding shrinkage range, parallel	1.3 - 1.8 %	ISO 294-4, 2577
Moulding shrinkage range, normal	1.3 - 1.8 %	ISO 294-4, 2577

### Typical mechanical properties

	dry/cond.		
Tensile modulus	2050 / -	MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	55 / -	MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	10 / -	%	ISO 527-1/-2
Tensile stress at break, 50mm/min	45 / -	MPa	ISO 527-1/-2
Tensile strain at break, 50mm/min	45 / -	%	ISO 527-1/-2
Flexural modulus	2050 / -	MPa	ISO 178
Charpy notched impact strength, 23 °C	19 / -	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, -30 °C	11.0 / -	kJ/m <sup>2</sup>	ISO 180/1A
Poisson's ratio	0.4 / - <sup>[C]</sup>		

[C]: Calculated

### Thermal properties

	dry/cond.		
Melting temperature, 10 °C/min	265 / *	°C	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	50 / *	°C	ISO 75-1/-2

### Flammability

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

### Physical/Other properties

	dry/cond.		
Humidity absorption, 2mm	1.9 / *	%	Sim. to ISO 62
Water absorption, 2mm	6.8 / *	%	Sim. to ISO 62
Density	1090 / -	kg/m <sup>3</sup>	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

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Max. mould temperature

100 °C

### Characteristics

Processing

Injection Moulding

Delivery form

Granules

Special characteristics

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