



CELANYL® A3 H J13 NC 1102/TT/01 CELANYL®

Toughened grade for medium impact resistance over a wide temperature range.

Product informat	าดก

1 Toddot information			
Resin Identification	PA66-I		ISO 1043
Part Marking Code	>PA66-I<		ISO 11469
Continuous Service Temperature	120 °C		IEC 60216-1
Continuodo Col Vico Tomporataro	120		120 002 10 1
Rheological properties	dry/cond.		
Viscosity number	140/*	cm ³ /g	ISO 307, 1628
Moulding shrinkage range, parallel	1.6 - 2	%	ISO 294-4, 2577
Moulding shrinkage range, normal	1.6 - 2	%	ISO 294-4, 2577
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Typical mechanical properties	dry/cond.		
Tensile modulus	2150/-	MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	55/-	MPa	ISO 527-1/-2
Tensile strain at break, 50mm/min	60/-	%	ISO 527-1/-2
Charpy impact strength, 23°C	N/-	kJ/m²	ISO 179/1eU
Charpy impact strength, -30 °C	N/-	kJ/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	N/-	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30 °C	16/-	kJ/m²	ISO 179/1eA
Ball indentation hardness, H 961/30	115/-	MPa	ISO 2039-1
Poisson's ratio	0.39/- ^[C]	WII G	100 2000 1
	0.007		
[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	85/*	°C	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	180/*	°C	ISO 75-1/-2
	.007		
Flammability			
FMVSS Class	В	}	ISO 3795 (FMVSS 302)
Burning rate, Thickness 1 mm	32.4	mm/min	ISO 3795 (FMVSS 302)
Electrical properties	dry/cond.		
Volume resistivity	1E13/-	Ohm.m	IEC 62631-3-1
Comparative tracking index	600/-		IEC 60112
Physical/Other properties	dry/cond.		
Humidity absorption, 2mm	2/*	%	Sim. to ISO 62
Water absorption, 2mm	2/ 7.2/*	% %	Sim. to ISO 62
Density	1080/-	kg/m³	ISO 1183

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Revised: 2025-04-18 Source: Celanese Materials Database





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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

Characteristics

Processing Injection Moulding

Delivery form Granules

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

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