

CELANYL® A3 J10 GF13 NC 1102/E CELANYL®

Designed for automotive, suitable for any application requiring average stiffness and impact resistance, even at low temperature.

Product information Resin Identification	PA66-I-GF13		ISO 1043
Part Marking Code	>PA66-I-GF13<		ISO 11469
Rheological properties			
Moulding shrinkage range, parallel Moulding shrinkage range, normal	0.4 - 0.7 0.7 - 1		ISO 294-4, 2577 ISO 294-4, 2577
Typical mechanical properties	dry/cond.		
Tensile modulus Tensile stress at break, 5mm/min Tensile strain at break, 5mm/min Flexural modulus Flexural strength Charpy impact strength, 23°C Izod notched impact strength, 23°C Poisson's ratio [C]: Calculated	4700/- 95/- 5.5/- 3900/- 150/- 57/- 10/- 0.36/- ^[C]	MPa MPa % MPa kJ/m ² kJ/m ²	ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 178 ISO 178 ISO 179/1eU ISO 180/1A
Thermal properties	dry/cond.		
Melting temperature, 10°C/min Temperature of deflection under load, 1.8 MPa Temperature of deflection under load, 0.45 MPa	265/* 225/* 247/*	°C °C °C	ISO 11357-1/-3 ISO 75-1/-2 ISO 75-1/-2
Flammability	dry/cond.		
Burning Behav. at thickness h Thickness tested UL recognition	HB/* 0.8/* yes/*	class mm	IEC 60695-11-10 IEC 60695-11-10 UL 94
Electrical properties	dry/cond.		
Comparative tracking index	600/-		IEC 60112
Physical/Other properties	dry/cond.		
Humidity absorption, 2mm Water absorption, 2mm Density	1.7/* 6.2/* 1200/-	% % kg/m³	Sim. to ISO 62 Sim. to ISO 62 ISO 1183
Injection			
Drying Recommended Drying Temperature Drying Time, Dehumidified Dryer Processing Moisture Content Melt Temperature Optimum	yes 80 2 - 4 ≤0.15 295	%	

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Min. melt temperature	285	°C
Max. melt temperature	305	°C
Screw tangential speed	≤0.2	m/s
Mold Temperature Optimum	100	°C
Min. mould temperature	70	°C
Max. mould temperature	120	°C

Characteristics

Processing	Injection Moulding
Delivery form	Granules
Special characteristics	High impact or impact modified, High Flow

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