

CELANYL[®] A3 GB30 NC 1102

CELANYL®

General purpose grade, easy processing, low warpage.

Product information			
Resin Identification	(PA66+PA6)-GB30		ISO 1043
Part Marking Code	>(PA66+PA6)-GB30<		ISO 11469
Continuous Service Temperature	9	0°C	IEC 60216-1
Rheological properties	dry/cond.		
Viscosity number	145/*	cm³/g	ISO 307, 1628
Moulding shrinkage range, parallel	1 - 1.4	%	ISO 294-4, 2577
Moulding shrinkage range, normal	1 - 1.4	%	ISO 294-4, 2577
Typical mechanical properties	dry/cond.		
Tensile modulus	4100/-	MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	80/-	MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	5/-	%	ISO 527-1/-2
Charpy impact strength, 23°C	22/-	kJ/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	2.2/-	kJ/m²	ISO 179/1eA
Ball indentation hardness, H 961/30 Poisson's ratio	190/- 0.36/- ^[C]	MPa	ISO 2039-1
	0.307-**		
[C]: Calculated			
Thermal properties	dry/cond.		
Melting temperature, 10°C/min	260/*	°C	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	90/*	°C	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	220/*	°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	1.5/*	%	Sim. to ISO 62
Water absorption, 2mm	7/*	%	Sim. to ISO 62
Density	1350/-	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	295 °C		
Min. melt temperature		5 °C	
Max. melt temperature Screw tangential speed		5 °C 2 m/s	
Mold Temperature Optimum		2 m/s 0 °C	
	10		

70 °C

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Min. mould temperature





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Max. mould temperature

120 °C

Characteristics

Processing Delivery form Special characteristics Injection Moulding Granules High Flow, Low Warpage

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