

CELANYL[®] A3 J10 BK 9005/E

CELANYL®

General purpose grade, suitable for any technical applications requiring good impact resistance and flexibility even at low temperature.

Product information

T TOQUET INTOTNATION			
Resin Identification	PA66-I		ISO 1043
Part Marking Code	>PA66-I<		ISO 11469
Continuous Service Temperature	8	5 °C	IEC 60216-1
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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
Typical mechanical properties	dry/cond.		
Tensile modulus	2400/-	MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	62/-	MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	5/-	%	ISO 527-1/-2
Tensile strain at break, 50mm/min	20/-	%	ISO 527-1/-2
Charpy impact strength, 23°C	N/-	kJ/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	18/-	kJ/m ²	ISO 179/1eA
Izod notched impact strength, 23°C	16/-	kJ/m ²	ISO 180/1A
Izod notched impact strength, -30 °C	10.0/-	kJ/m ²	ISO 180/1A
Poisson's ratio	0.38/- ^[C]	KJ/III	130 T80/TA
	0.38/-**		
[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	65/*	°Č	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	200/*	°C	ISO 75-1/-2
remperature of deflection under load, 0.45 Mir a	2007	0	130 73-17-2
Flammability	dry/cond.		
Burning Behav. at 1.5mm nom. thickn.	HB/*	class	IEC 60695-11-10
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Physical/Other properties	dry/cond.		
Humidity absorption, 2mm	2.1/*	%	Sim. to ISO 62
Water absorption, 2mm	7.6/*	%	Sim. to ISO 62
Density	1090/-	kg/m³	ISO 1183
		-	
Injection			
Drying Recommended	yes		
Drying Temperature	8	0 °C	
Drying Time, Dehumidified Dryer	2	4 h	
Processing Moisture Content	≤0.1		
Melt Temperature Optimum	29		
Min. melt temperature	280 °C		
Max. melt temperature	300 °C		
Screw tangential speed		3 m/s	
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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

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