



ISO 1043

CELANYL® A3 GB30 BK 9005/U

CELANYL®

This compound is intended for injection molding. It is primarily designed for the Automotive Industry but also suitable for Electrical and Electronic or Industrial & Consumer applications.

PA66-GB30

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Resin Identification

Part Marking Code	>PA66-GB30<		ISO 11469
Continuous Service Temperature	110	°C	IEC 60216-1
Rheological properties	dry/cond.		
Viscosity number	145/*	cm ³ /g	ISO 307, 1628
Moulding shrinkage range, parallel	1 - 1.3	%	ISO 294-4, 2577
Moulding shrinkage range, normal	1 - 1.3	%	ISO 294-4, 2577
Typical mechanical properties	dry/cond.		
Tensile modulus	4200/-	MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	75/-	MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	5/-	%	ISO 527-1/-2
Charpy impact strength, 23°C	30/-	kJ/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	3/-	kJ/m²	ISO 179/1eA
Ball indentation hardness, H 961/30	185/-	MPa	ISO 2039-1
Poisson's ratio	0.36/- ^[C]		
[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	200/*	°C	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	220/*	°C	ISO 75-1/-2
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		
Processing Moisture Content	≤0.15	%	
Melt Temperature Optimum	295	°C	
Min. melt temperature	285	°C	
Max. melt temperature	305	°C	

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≤0.2 m/s

100 °C 70 °C

120 °C

Revised: 2024-08-16 Source: Celanese Materials Database

Screw tangential speed

Min. mould temperature Max. mould temperature

Mold Temperature Optimum

(+) 18816996168 Ponciplastics.com



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Characteristics

Processing Injection Moulding

Special characteristics Heat stabilised or stable to heat, High Flow

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