



## CELANYL® A3 J GF30 BK 9005/P

**CELANYL®** 

Car industry, Household appliances, Electrical devices.

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Resin Identification Part Marking Code Continuous Service Temperature	PA66-I-GF30 >PA66-I-GF30< 110	°C	ISO 1043 ISO 11469 IEC 60216-1
Rheological properties	dry/cond.		
Viscosity number Moulding shrinkage range, parallel Moulding shrinkage range, normal	140/* 0.4 - 0.8 0.8 - 1.2	cm³/g % %	ISO 307, 1628 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 Charpy impact strength, 23°C Charpy impact strength, -30°C Charpy notched impact strength, 23°C Charpy notched impact strength, -30°C Ball indentation hardness, H 961/30 Poisson's ratio [C]: Calculated	7650/- 130/- 4.5/- N/- N/- 15.5/- 10/- 145/- 0.34/- <sup>[C]</sup>	MPa MPa % kJ/m² kJ/m² kJ/m² MPa	ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 179/1eU ISO 179/1eU ISO 179/1eA ISO 179/1eA ISO 2039-1
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	260/* 230/* 240/*	°C °C	ISO 11357-1/-3 ISO 75-1/-2 ISO 75-1/-2
Electrical properties	dry/cond.		
Volume resistivity Comparative tracking index	1E13/- 500/-	Ohm.m	IEC 62631-3-1 IEC 60112
Physical/Other properties	dry/cond.		
Humidity absorption, 2mm Water absorption, 2mm Density	1.5/* 6.5/* 1300/-	% % 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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285 °C

305 °C

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

Min. melt temperature

Max. melt temperature





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## Characteristics

Processing Injection Moulding

Special characteristics High impact or impact modified, High Flow

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

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