CELANYL® B3 J GF15 NC 1102

CELANYL®

Car industry, Household appliances, Electrical devices.

Product information

Resin Identification	PA6-I-GF15		ISO 1043
Part Marking Code	>PA6-I-GF15<		ISO 11469
Continuous Service Temperature	221[OT]	°F	IEC 60216-1

[OT]: One time tested

Rheological properties

	dry/cond.		
Viscosity number	4010 / *	in³/lb	ISO 307, 1628
Molding shrinkage range, parallel	0.4 - 0.8	%	ISO 294-4, 2577
Molding shrinkage range, normal	0.7 - 1.1	%	ISO 294-4, 2577

Typical mechanical properties

	dry/cond.		
Tensile modulus	696000 / -	psi	ISO 527-1/-2
Tensile stress at break, 5mm/min	13800 / -	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	5 / -	%	ISO 527-1/-2
Charpy impact strength, 23°C	>50 / -	ftlb/in²	ISO 179/1eU
Charpy notched impact strength, 23°C	7.61 / -	ftlb/in²	ISO 179/1eA
Charpy notched impact strength, -30°C	5.23 / -	ftlb/in²	ISO 179/1eA
Ball indentation hardness, H 961/30	18900 / -	psi	ISO 2039-1

Thermal properties

	dry/cond.		
Melting temperature, 10°C/min	437 / *	°F	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	320 / *	°F	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	392 / *	°F	ISO 75-1/-2

Electrical properties

	dry/cond.		
Volume resistivity	1E13 / -	Ohm.m	IEC 62631-3-1
Comparative tracking index	550 / -		IEC 60112

Physical/Other properties

	dry/cond.		
Humidity absorption, 2mm	2 / *	%	Sim. to ISO 62
Water absorption, 2mm	7.5 / *	%	Sim. to ISO 62
Density	0.0426 / -	lb/in³	ISO 1183

Characteristics

Processing	Injection Molding
Special characteristics	High impact or impact modified

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Revised: 2025-08-28 Source: Celanese Materials Database

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