



## CELANYL® A3 W GF33 BK 9005/Y CELANYL®

General purpose grade, suitable for many technical applications. Medium term heat ageing resistance.

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μ	$r \cap$	M	IIC.	tι	nt	$\alpha$ r	m	atı	on
	ıu	м				OI.	1 1 10	- 111	OI I

Resin Identification Part Marking Code	(PA66+PA6)-GF >(PA66+PA6)-G	GF33<	ISO 1043 ISO 11469
Continuous Service Temperature	12	5 °C	IEC 60216-1
Rheological properties	dry/cond.		
Viscosity number	140/*	cm³/g	ISO 307, 1628
Moulding shrinkage range, parallel	0.3 - 0.6	%	ISO 294-4, 2577
Moulding shrinkage range, normal	0.6 - 0.9	%	ISO 294-4, 2577
Typical mechanical properties	dry/cond.		
Tensile modulus	10200/-	MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	165/-	MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.8/-	%	ISO 527-1/-2
Charpy impact strength, 23°C	>50/-	kJ/m² kJ/m²	ISO 179/1eU
Charpy notched impact strength, 23°C Poisson's ratio	8/- 0.34/- <sup>[C]</sup>	KJ/III	ISO 179/1eA
[C]: Calculated	0.547		
[O]. Galculated			
Thermal properties	dry/cond.		
Melting temperature, 10°C/min	260/*	°C	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	230/*	°C	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	245/*	°C	ISO 75-1/-2
Flammability	dry/cond.		
Burning Behav. at 1.5mm nom. thickn.	HB/*	class	IEC 60695-11-10
FMVSS Class	В		ISO 3795 (FMVSS 302)
Physical/Other properties	dry/cond.		
		0/	0: 100.00
Humidity absorption, 2mm	1.7/* 5.6/*	% %	Sim. to ISO 62 Sim. to ISO 62
Water absorption, 2mm Density	1380/-	% kg/m³	ISO 1183
Delisity	13607-	Kg/III	130 1103
Injection			
Drying Recommended	ye		
Drying Temperature		0 °C	
Drying Time, Dehumidified Dryer		4 h	
Processing Moisture Content	≤0.1		
Melt Temperature Optimum		5 °C	
Min. melt temperature Max. melt temperature		5 °C 5 °C	
iviax. meit temperature	30	5 0	

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≤0.2 m/s

100 °C 70 °C

Revised: 2024-11-07 Source: Celanese Materials Database

Screw tangential speed

Min. mould temperature

Mold Temperature Optimum





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Max. mould temperature 120 °C

## Characteristics

Processing Injection Moulding

Delivery form Granules

Special characteristics Heat stabilised or stable to heat, High Flow

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