CELANYL® A3 GF30 BK 9005/A

CELANYL®

General purpose grade, suitable for any technical use.

Product information

Resin Identification	PA66-GF30	ISO 1043
Part Marking Code	>PA66-GF30<	ISO 11469

Rheological properties

	dry/cond.		
Melt volume-flow rate	30 / *	cm^3/10min	ISO 1133
Temperature	518 / *	°F	
Load	11 / *	lb	

Typical mechanical properties

	dry/cond.		
Tensile modulus	1.42E6 / -	psi	ISO 527-1/-2
Tensile stress at break, 5mm/min	25400 / -	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.5 / -	%	ISO 527-1/-2
Charpy impact strength, 23°C	33.3 / -	ftlb/in^2	ISO 179/1eU
Charpy notched impact strength, 23°C	4.28 / -	ftlb/in^2	ISO 179/1eA
Izod notched impact strength, 23°C	4.76 / -	ftlb/in^2	ISO 180/1A
Izod impact strength, 23°C	26.2 / -	ftlb/in^2	ISO 180/1U

Flammability

	dry/cond.		
Burning Behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	0.0315 / *	in	IEC 60695-11-10
UL recognition	yes / *		UL 94

Injection

Drying Recommended	yes	
Drying Temperature	176	°F
Drying Time, Dehumidified Dryer	2 - 4	h
Processing Moisture Content	≤0.15	%
Melt Temperature Optimum	563	°F
Min. melt temperature	545	°F
Max. melt temperature	581	°F
Max. screw tangential speed	≤0.2	m/s
Mold Temperature Optimum	212	°F
Min. mold temperature	158	°F
Max. mold temperature	248	°F

Characteristics

Processing	Injection Molding

Revised: 2025-02-14 Source: Celanese Materials Database

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