CELANYL® A3 D03 NC 1102/V

CELANYL®

Improved flexibility and good mechanical performance combined with high productivity and easy processing.

Product information

Resin Identification	PA66+PA6		ISO 1043
Part Marking Code	>PA66+PA6<		ISO 11469

Rheological properties

	dry/cond.		
Viscosity number	3740 / *	in³/lb	ISO 307, 1628

Typical mechanical properties

	dry/cond.		
Tensile modulus	428000 / -	psi	ISO 527-1/-2
Tensile stress at yield, 50mm/min	12000 / -	psi	ISO 527-1/-2
Tensile strain at yield, 50mm/min	4.5 / -	%	ISO 527-1/-2
Tensile strain at break, 50mm/min	20 / -	%	ISO 527-1/-2
Charpy impact strength, 23°C	>100 / -	ftlb/in²	ISO 179/1eU
Charpy notched impact strength, 23°C	2.38 / -	ftlb/in²	ISO 179/1eA

Thermal properties

	dry/cond.		
Melting temperature, 10°C/min	504 / *	°F	ISO 11357-1/-3

Physical/Other properties

	dry/cond.		
Humidity absorption, 2mm	2.4 / *	%	Sim. to ISO 62
Water absorption, 2mm	8.3 / *	%	Sim. to ISO 62
Density	0.0404 / -	lb/in³	ISO 1183

Injection

Drying Recommended	yes	
Drying Temperature	176	°F
Drying Time, Dehumidified Dryer	2 - 4	h
Processing Moisture Content	≤0.15	%
Melt Temperature Optimum	554	°F
Min. melt temperature	536	°F
Max. melt temperature	572	°F
Max. screw tangential speed	≤0.3	m/s
Mold Temperature Optimum	176	°F
Min. mold temperature	122	°F
Max. mold temperature	212	°F

Characteristics

Processing	Injection Molding
Additives	Nucleated
Special characteristics	Fast Production Cycle

Revised: 2026-02-14 Source: Celanese Materials Database

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