

CELANYL® B3 J6 GF40 NC 1102/1 - PA6

Description

(OMNILON® PA6 GR40 IM6 NA) 40% Glass Reinforced, Impact Modified, PA6

Physical properties	Value	Unit	Test Standard
Density	89.3	lb/ft ³	ISO 1183
Mechanical properties	Value	Unit	Test Standard
Tensile stress at yield, 23°C	23500	psi	ASTM D638
Tensile strain at break, 23°C	4	%	ASTM D638
Flexural modulus, 23°C	1.4E6	psi	ASTM D790
Flexural stress, 23°C	37000	psi	ASTM D790
Izod impact notched, 23°C	3.5	ft-lb/in	ASTM D256
Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	396	°F	ISO 75-1, -2
DTUL at 0.45 MPa	415	°F	ISO 75-1, -2

Typical injection molding processing conditions

Pre Drying	Value	Unit	
Necessary low maximum residual moisture content	0.15	%	
Drying time	4 - 8	h	
Drying temperature	176 - 194	°F	
Temperature	Value	Unit	
Zone1 temperature	428 - 446	°F	
Zone2 temperature	437 - 455	°F	
Zone3 temperature	455 - 473	°F	
Zone4 temperature	473 - 491	°F	
Nozzle temperature	491 - 518	°F	
Melt temperature	482 - 518	°F	
Mold temperature	140 - 176	°F	
Hot runner temperature	491 - 518	°F	

Characteristics

Product Categories Glass reinforced, Impact modified

Processing Injection molding





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General Disclaimer

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