

CELANYL® B2 GB30 BK 9005/1 - PA6

Description

(OMNILON® PA6 GR30 BKG1000)
30% Glass Bead Reinforced, PA6

Physical properties	Value	Unit	Test Standard
Density	83	lb/ft ³	ISO 1183
Mechanical properties	Value	Unit	Test Standard
Tensile modulus	623663	psi	ISO 527-1, -2
Tensile stress at break, 5mm/min	8990	psi	ISO 527-1, -2
Tensile strain at break, 5mm/min	2.6	%	ISO 527-1, -2
Flexural modulus, 23°C	580000	psi	ISO 178
Flexural strength, 23°C	15700	psi	ISO 178
Izod impact notched, 23°C	2.38	ft-lb/in ²	ISO 180/1A

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
Processing	Injection molding

General Disclaimer

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