

CELANYL® B3 W J5 GF15 NC 1102/1 - PA6

Description

(OMNILON® PA6 GR15 IM5 NA)
15% Glass Reinforced, Impact Modified, PA6

Physical properties	Value	Unit	Test Standard
Density	74.9	lb/ft ³	ISO 1183
Mechanical properties	Value	Unit	Test Standard
Tensile modulus	870228	psi	ISO 527-1, -2
Tensile stress at break, 5mm/min	16800	psi	ISO 527-1, -2
Tensile strain at break, 5mm/min	3.8	%	ISO 527-1, -2
Flexural modulus, 23°C	783000	psi	ISO 178
Flexural strength, 23°C	27600	psi	ISO 178
Charpy notched impact strength, 23°C	5.71	ft-lb/in ²	ISO 179/1eA

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

Special Characteristics	Heat resistant
Product Categories	Glass reinforced, Impact modified
Processing	Injection molding