

CELANYL® B2 GF15 BK 9005/1 - PA6

Description

(OMNILON® PA6 GR15 BK1000) 15% Glass Reinforced, PA6

Physical properties	Value	Unit	Test Standard
Density	76.8	lb/ft³	ISO 1183
Mechanical properties	Value	Unit	Test Standard
Tensile modulus	1.02E6	psi	ISO 527-1, -2
Tensile stress at break, 5mm/min	18900	psi	ISO 527-1, -2
Tensile strain at break, 5mm/min	2.5	%	ISO 527-1, -2
Flexural modulus, 23°C	972000	psi	ISO 178
Flexural strength, 23°C	31900	psi	ISO 178
Charpy notched impact strength, 23°C	2.62	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

Processing

Injection molding





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General Disclaimer

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