CELANYL® B2 W J20 NC 1102/1 - PA6

Description

(OMNILON® PA6 IM20 NA) High Impact Resistant, PA6

Physical properties	Value	Unit	Test Standard
Density	66.8	lb/ft ³	ISO 1183
Mechanical properties	Value	Unit	Test Standard
Tensile modulus	297328	psi	ISO 527-1, -2
Tensile stress at yield, 50mm/min	7540	psi	ISO 527-1, -2
Tensile strain at break, 50mm/min	>35	%	ISO 527-1, -2
Flexural modulus, 23°C	261000	psi	ISO 178
Flexural strength, 23°C	9140	psi	ISO 178
Charpy notched impact strength, 23°C	23.8	ft-lb/in ²	ISO 179/1eA
Shore D hardness-TPE, 15s	74	-	ISO 868
Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	129	°F	ISO 75-1, -2
Flammability @3.2mm nom. thickn.	HB	class	UL 94

Typical injection molding processing conditions

Pre Drying		Value	Unit	
Necessary low maximum residual m	oisture 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	Impact modified			
Processing	Injection molding			





General Disclaimer

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