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NewMat Grade DM220

Product Description

NewMat DM220 is a super tough POM. It has superior impact resistance, higher temperature resistance, and excellent chemical resistance.

Processing Method

Other Information

Injection Molding	Met RoHS
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General Properties

Properties	Unit	Method	Values
Type		--	POM
Colour		Visual	Natural
Density	g/cm ³	D792	1.37
Shrinkage (Flow)	%	D955	1.5 - 1.7
Shrinkage (Across flow)	%	D955	1.0 - 1.6
Melt flow index, @2.16kg/190°C	g/10min	D1238	12

Mechanical Properties

Properties	Unit	Method	Values
Tensile Strength @ Yield	MPa	D638 Type I	45
Tensile Strength @ Break	MPa	D638 Type I	45
Elongation @ Yield	%	D638 Type I	13
Elongation @ Break	%	D638 Type I	>50
Flexural Yield Strength	MPa	D790	62
Flexural Modulus	GPa	D790	1.4
Izod Impact, Notched @ -30°C	J/m	D256	90
@ 0°C	J/m	D256	110
@ 23°C	J/m	D256	120
Izod Impact, Un-notched @ 23°C	J/m	D256	NB

Thermal Properties

Properties	Unit	Method	Values
Heat Deflection Temperature @ 0.45MPa	°C	D648	135
Heat Deflection Temperature @ 1.80MPa	°C	D648	72

Molding Properties

Drying Temperature	°C	100
Drying Time	Hours	3 - 5
Processing Temperature	°C	210 - 220
Mold Temperature	°C	40 - 60

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The properties shown are typical values and for are references only. The value should not be considered as limits to the specification. Since the conditions under which this material is used, are beyond our control, all suggestions and recommendations are without guarantee.

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