

NewMat Grade DS210

Product Description

NewMat DS210 modified PMMA has superior impact strength, melt flow index, light transmission and thermal stability. This product has extensive applications and also suits for injection molding.

Processing Method

Injection Molding

Other Information

Met EN71-Part 3 : RoHS

General Properties

Properties	Unit	Method	Values
Type		—	PMMA
Colour		Visual	Transparent
Density	g/cm ³	D792	1.16
Shrinkage	%	D955	0.4 - 0.8
Hardness	Pencil Hardness	D3363	2H

Optical Properties

Properties	Unit	Method	Values
Light Transmittance	%	D1003	92
Haze	%	D1003	0.7

Mechanical Properties

Properties	Unit	Method	Values
Tensile Strength @ Yield	MPa	D638 Type I	56
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	103
Flexural Modulus	GPa	D790	2.4
Izod Impact, Notched @ -30°C	J/m	D256	24
@ 0°C	J/m	D256	28
@ 23°C	J/m	D256	30

Thermal Properties

Properties	Unit	Method	Values
Heat Deflection Temperature @ 1.80MPa	°C	D648	90

Molding Properties

Drying Temperature	°C	85
Drying Time	Hours	4
Processing Temperature	°C	240 - 260
Mold Temperature	°C	40 - 60

Issue Date: 7 December 2020

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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