Niretan B F15 M

Polyamide 6, reinforced with 15 % of glass fibre, impact modified, for injection moulding

	Properties	Test condition	Method	Unit	Value
Mechanical	Tensile Stress at Break	5 mm/min	ASTM D638	MPa	100
	Flexural Maximum Stress	1,3 mm/min	ASTM D790	MPa	145
	Flexural Elastic Modulus	1,3 mm/min	ASTM D790	MPa	4500
	Izod Notched Impact Strength	23°C/3mm	ASTM D256	J/m	90
	Rockwell Hardness		ASTM D785	R-scale	100
	Elongation	50 mm/min	ASTM D638	%	3,7
Thermal	Vicat Softening Temperature	49N / 120°C/h	ASTM D 1525	°C	205
	Heat Distortion Temperature H.D.T	1.82 MPa	ASTM D648	°C	175
	Linear Expansion Coefficient	23°C/55°C	ISO 11359-2	10^-5 K^-1	6
Flame Behaviour	Glow Wire Temperature (G.W.T)	S=2.0 mm	IEC 695-2-1	°C	650
	UL 94 Rating	S=1.6 mm	UL 94	class	HB
	UL 94 Rating	S=3.2 mm	UL 94	class	HB
Electrical	Surface Resistivity	dry	IEC 60093	Ω	10^14/10^13
	Volume Resistivity	dry	IEC 60093	Ω cm	10^15/10^12
Various	Moulding Shrinkage	parallel	-	%	0,5/1,0
Physical	Density	23°C	ASTM D792	g/cm³	1,21
	Humidity Absorption from Atmosphere	23°C – 50% HR	ASTM D570	%	2,5
	Cristalline Melting Temperature	DSC	-	°C	220

Properties	Test condition	Method	Unit	Value

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