

Niretan A F30 AE/V0

Polyamide 66 reinforced with 30% of glass fibre, flame retarded. U.L. 94 rating: V0 at 1,6 mm

	Properties	Test condition	Method	Unit	Value
Mechanical	Tensile Stress at Yield	50 mm/min.	ASTM D638	MPa	130/80
	Flexural Maximum Stress	1,3 mm/min	ASTM D790	MPa	160/110
	Flexural Elastic Modulus	1,3 mm/min	ASTM D790	MPa	9500/6000
	Izod Notched Impact Strength	23°C/3mm	ASTM D256	J/m	70/90
	Izod Notched Impact Strength	-20°C/3mm	ASTM D256	J/m	50/70
	Rockwell Hardness		ASTM D785	R-scale	115/90
Thermal	Heat Distortion Temperature H.D.T	1.82 MPa	ASTM D648	°C	245
	Linear Expansion Coefficient	23°C/55°C	ISO 11359-2	10 ⁻⁵ K ⁻¹	4
Flame Behaviour	Glow Wire Temperature (G.W.T)	S=2.0 mm	IEC 695-2-1	°C	960
	UL 94 Rating	S-1.6 mm	UL 94	class	V0
	UL 94 Rating	S-3.2 mm	UL 94	class	V0
Electrical	Relative Permittivity	1 Mhz - dry	IEC 60250	-	3,5/4,0
	Dissipation Factor	1 Mhz - dry	IEC 60250	-	0,02/0,1
	Dielectric Strength	S-1 mm	IEC 60243-1	KV/mm	30/35
	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	-	%	0,3-0,7
Physical	Density	23°C	ASTM D792	g/cm ³	1,56
	Water Absorption	24h - 23°C	ASTM D570	%	6
	Humidity Absorption from Atmosphere	23°C - 50% HR	ASTM D570	%	2
	Cristalline Melting Temperature	DSC	-	°C	260



Properties	Test condition	Method	Unit	Value
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