

Niretan A EXL

Polyamide 66 of natural colour, with external additivation.

Easy flowing and fast processing.

	Properties	Test condition	Method	Unit	Value
Mechanical	Tensile Stress at Yield	50 mm/min.	ASTM D638	MPa	85/50
	Elongation at Break	50 mm/min	ASTM D638	%	30/>50
	Flexural Maximum Stress	1,3 mm/min	ASTM D790	MPa	110/60
	Flexural Elastic Modulus	1,3 mm/min	ASTM D790	MPa	2900/1200
	Izod Notched Impact Strength	23°C/3mm	ASTM D256	J/m	60/150
	Izod Notched Impact Strength	-20°C/3mm	ASTM D256	J/m	40/70
	Rockwell Hardness	23°C	ASTM D785	R-scale	110/95
Thermal	Vicat Softening Temperature	49N / 120°C/h	ASTM D 1525	°C	240
	Heat Distortion Temperature H.D.T	1.82 MPa	ASTM D648	°C	75
	Linear Expansion Coefficient	23°C/55°C	ISO 11359-2	10 ⁻⁵ K ⁻¹	9
Flame Behaviour	Glow Wire Temperature (G.W.T)	S=2.0 mm	IEC 695-2-1	°C	750
	UL 94 Rating	S=1.6 mm	UL 94	class	V2
	UL 94 Rating	S=3.2 mm	UL 94	class	V2
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	30/25
	Surface Resistivity	dry	IEC 60093	Ω	10 ¹⁴ /10 ¹³
	Volume Resistivity	dry	IEC 60093	Ω Ω cm	10 ¹⁵ /10 ¹²
Various	Moulding Shrinkage	parallel	-	%	1,2-2

Properties	Test condition	Method	Unit	Value
				1,14
Water Absorption	24h - 23°C	ASTM D570	%	9
Humidity Absorption from Atmosphere	23°C - 50% HR	ASTM D570	%	2,7
Cristalline Melting Temperature	DSC	-	°C	260

All values are approximate values and are given after the best knowledge and conscience. Hence, because of variable processing terms or processing procedures an obligation cannot be derived from it.

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