

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

TEKUMA KUNSTSTOFF GMBH