

Niretan A F30 SC

Polyamide 66 reinforced with 30% of glass fibre, for injection moulding.

Material stabilized, high heat ageing resistance.

	Properties	Test condition	Method	Unit	Value
Mechanical	Flexural Maximum Stress	1,3 mm/min	ASTM D790	MPa	270/200
	Flexural Elastic Modulus	1,3 mm/min	ASTM D790	MPa	8600/6500
	Izod Notched Impact Strength	23°C/3mm	ASTM D256	J/m	120/150
	Izod Notched Impact Strength	-20°C/3mm	ASTM D256	J/m	60/90
	Elongation	5mm/min	ASTM D638	%	3/5
	Tensile Modulus	5 mm/min	ASTM D638	MPa	9500/7000
	Tensile Stress at Break	5 mm/min	ASTM D638	MPa	170/110
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	3
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	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	1,36



Properties	Test condition	Method	Unit	Value
				5,5
Humidity Absorption from Atmosphere	23°C - 50% HR	ASTM D570	%	1,8
Cristalline Melting Temperature	DSC	-	°C	260

TEKUMA KUNSTSTOFF GMBH