

Niretan A SV30

Polyamide 66 filled with 30% of glass beads for injection moulding.

ade with good dimensional stability and isotropic properties.

Gr

	Properties	Test condition	Method	Unit	Value
Physical	Density	23°C	ASTM D792	g/cm ³	1.36
	Water Absorption	24h - 23°C	ASTM D570	%	5.5
	Humidity Absorption from Atmosphere	23°C - 50% HR	ASTM D570	%	1.8
	Cristalline Melting Temperature	DSC	-	°C	260

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	Properties	Test condition	Method	Unit	Value
Mechanical	Tensile Modulus	50 mm/min	ASTM D638	MPa	4400/2300
	Tensile Stress at Break	5 mm/min	ASTM D638	MPa	60/35
	Elongation	50 mm/min	ASTM D638	%	8/20
	Flexural Maximum Stress	1,3 mm/min	ASTM D790	MPa	95/55
	Flexural Elastic Modulus	1,3 mm/min	ASTM D790	MPa	4200/2250
	Izod Notched Impact Strength	23°C/3mm	ASTM D256	J/m	70/110
	Izod Notched Impact Strength	0°C/3mm	ASTM D256	J/m	-
	Rockwell Hardness		ASTM D785	R-scale	110/80
	Izod Notched Impact Strength	-20°C/3,2 mm	ASTM D256	J/m	-
Thermal	Vicat Softening Temperature	49N / 120°C/h	ASTM D 1525	°C	225
	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	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	□	10 ¹⁴ / 10 ¹³
	Volume Resistivity	dry	IEC 60093	□ □ cm	10 ¹⁵ / 10 ¹²
Various	Moulding Shrinkage	parallel	-	%	0.6 -1.2
	Moulding Shrinkage	transversal	-	%	-

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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