Niretan A 27 EXL

Polyamide 66 of natural color, externally lubrificated, easy flowing and fast processing.

	Properties	Test condition	Method	Unit	Value
Mechanical	Tensile Stress at Yield	50 mm/min.	ASTM D638	MPa	90/55
	Tensile Stress at Break	5 mm/min	ASTM D638	MPa	70/50
	Flexural Maximum Stress	1,3 mm/min	ASTM D790	MPa	120/60
	Flexural Elastic Modulus	1,3 mm/min	ASTM D790	MPa	3000/1200
	Izod Notched Impact Strength	23°C/3,2 mm	ASTM D256	J/m	60/150
	Izod Notched Impact Strength	-20°C/3,2 mm	ASTM D256	J/m	40/70
	Elongation	50 mm/min	ASTM D638	%	30/60
Thermal	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	Dielectric Strength	S=1 mm	IEC 60243-1	KV/mm	30/35
	Relative Permettivity	1 Mhz = secco	IEC 60250	-	3,5/4,0
	Dissipation Factor	1 Mhz = secco	IEC 60250	-	0,02/0,1
	Surface Resistivity	secco	IEC 60093	Ω	10^14/10^13
	Volume Resistivity	secco	IEC 60093	Ω cm	10^15/10^12
Various	Moulding Shrinkage	parallel	-	%	1,2-2,4
Physical	Density	23°C	ASTM D792	g/cm³	1,14

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	Properties	Test condition	Method	Unit	Value
					10
	Humidity Absorption from Atmosphere	23°C – 50% HR	ASTM D570	%	3
	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.

Tekuma Kunststoff GmbH is not the manufacturer of a.m. product. The information return the result of the quality inspection. An assurance of certain properties and qualities for specify uses cannot be derived. We recommend additional tests with regard to the suitability ability. Guarantee occurs within the scope of our general terms of sale and terms of delievery.

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