

# Niretan A F15

**PA 66 reinforced 15% glass fibre for injection moulding.**

	Properties	Test condition	Method	Unit	Value
Mechanical	Tensile Stress at Break	5 mm/min	ASTM D638	MPa	130/90
	Flexural Maximum Stress	1,3 mm/min	ASTM D790	MPa	190/110
	Flexural Elastic Modulus	1,3 mm/min	ASTM D790	MPa	5500/3500
	Izod Notched Impact Strength	23°C/3mm	ASTM D256	J/m	60-80
	Rockwell Hardness	23°C	ASTM D785	R-scale	110/90
Thermal	Heat Distortion Temperature H.D.T	1.82 MPa	ASTM D648	°C	240
	Linear Expansion Coefficient	23°C/55°C	ISO 11359-2	10 <sup>-5</sup> K <sup>-1</sup>	4
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	Surface Resistivity	dry	IEC 60093	Ω	10 <sup>14</sup> /10 <sup>13</sup>
	Volume Resistivity	dry	IEC 60093	Ω cm	10 <sup>15</sup> /10 <sup>12</sup>
Various	Moulding Shrinkage	parallel	-	%	0,7/1,2
Physical	Density	23°C	ASTM D792	g/cm <sup>3</sup>	1,24
	Water Absorption	24h - 23°C	ASTM D570	%	8
	Humidity Absorption from Atmosphere	23°C - 50% HR	ASTM D570	%	2,4
	Cristalline Melting Temperature	DSC	-	°C	260