

Niblend F817

- PC-ABS

alloy reinforced with 17 % of glass fibre

- **Grade for injection**

moulding, characterized by very high heat resistance, high stiffness and easy processing

	Properties	Test condition	Method	Unit	Value
Rheological	Melt Flow Index	260°C / 5 kg	ASTM D1238	g/10min	10
Mechanical	Tensile Stress at Yield	50 mm/min.	ASTM D638	MPa	5600
	Tensile Stress at Break	5 mm/min	ASTM D638	MPa	70
	Elongation at Break	50 mm/min	ASTM D638	%	2
	Flexural Maximum Stress	1,3 mm/min	ASTM D790	MPa	115
	Flexural Elastic Modulus	1,3 mm/min	ASTM D790	MPa	4800
	Izod Notched Impact Strength	23°C/3mm	ASTM D256	J/m	90
Thermal	Vicat Softening Temperature	49N / 120°C/h	ASTM D 1525	°C	138
	Ball Pressure Test	125°C	IEC 60695-10-2	-	Pass
	Linear Expansion Coefficient	parallel	ISO 11359-2	cm/cm/°C	0,000030
	Linear Expansion Coefficient	transversal	ISO 11359-2	cm/cm/°C	0,000080
Flame Behaviour	UL 94 Rating	S-1.6 mm	UL 94	class	HB
	UL 94 Rating	S-3.2 mm	UL 94	class	HB
Electrical	Dissipation Factor	1 Mhz - dry	IEC 60250	-	0,0085

	Properties	Test condition	Method	Unit	Value
					35
	Surface Resistivity	dry	IEC 60093	Ω	10 ¹⁶
	Volume Resistivity	dry	IEC 60093	Ω cm	10 ¹⁴
Various	Density		ASTM D792	g/cm ³	1,27
	Humidity Content at Equilibrium	23°C / 50 % U.R.	ISO 62	%	0,05
	Moulding Shrinkage	parallel	-	%	0,2-0,4
	Moulding Shrinkage	transversal	-	%	0,3-0,5