DATA SHEET

NILENE E K12T NERO 98106 XM

Polypropylene copolymer special talcum filled 12%.

UL94 HB all colors approuved @ 1,60 mm.

Available: UV stabilized (L), heat stabilized (S), laser printable (LP), antistatic (AT)

DRYING - conditions		**Melt temperature:**	190 - 230°C
Pre-heater:		**Mould temperature:**	40 - 60°C
Dryer:		**Rate of injection:**	HIGH

PROPERTY	METHOD	unit	VALUE	condition
ELECTRICAL				
Tracking Resistance (CTI - Method A)	IEC 60112	Volt	***>600***	IEC 60112
PHYSICAL				
Melt Flow Rate (MFR)	ISO 1133 - ASTM D1238	g/10 min	***15***	230°C - 2,16 Kg
Reinforcing Charges	ISO 3451	%	***12***	550°C - 1h
Density (23 °C)	ISO 1183	g/cm^3	***0,98-1,00***	
Water Absorption (24h / 23°C)	ISO 62	%	***0,05***	
Mould Shrinkage (Parallel)	Internal method	%	***1,1-1,3***	23°C 3,2 mm
Mould Shrinkage (Normal)	Internal method	%	***1,1-1,3***	23°C 3,2 mm
MECHANICAL				
IZOD Notched Impact	ASTM D256	J/m	***>250***	ASTM D 256 +23°C
Flexural Modulus	ISO 178	Mpa	***1400***	speed 2 mm/mjn
Elongation at Break	ISO 527-1,2	%	***>100***	speeds 5 mm/min
Tensile Yield Strength	ISO 527-1,2	Mpa	***30***	speed 50 mm/min
FLAMMABILITY				
Flame Behaviour (1,6 mm)	UL94	Class	***HB***	
Burning Rate (US-FMVSS 302)	ISO 3795	mm/min	***<100***	2 mm
THERMAL				
Softening Temperature - 1 kg (VST/A/50)	ISO 306	°C	***152***	50°C/h
Softening Temperature - 5 kg (VST/B/50)	ISO 306	°C	***76***	50°C/h
Deflection Temperature 1,80 MPa (HDT A)	ISO 75A	°C	***59***	120°C/h
Coefficient of linear thermal expansion	ISO 11359-1,-2	K^-1	***6X10exp(-5)***	

The data listed here fall within the normal range of product properties, but they should not be used to establish specification limits nor used alone as the basis of design.