



DATA SHEET

NILENE E12

Polypropylene copolymer lmedium high flow.

Available: all colours, UV stabilized (L), heat stabilized (S), laser printable (YT), detergent stabilized (D).

DRYING - conditions		Melt temperature:	190 - 220°C
Pre-heater:	70 - 80°C / 1h	Mould temperature:	40 - 60°C
Dryer:	-	Rate of injection:	MEDIUM - HIGH

PROPERTY	METHOD	unit	VALUE	condition
ELECTRICAL				
Tracking Resistance (CTI - Method A)	IEC 60112	Volt	600	
PHYSICAL				
Melt Flow Rate (MFR)	ISO 1133	g/10 min	12	230°C - 2,16 kg
Density (23 °C)	ISO 1183	g/cm ³	0,91	
Water Absorption at Saturation	ISO 62	%	0,02	
Mould Shrinkage (Parallel)	Internal method	%	1,4 - 1,8	23°C - 3,2 mm
Mould Shrinkage (Normal)	Internal method	%	1,4 - 1,8	23°C - 3,2 mm
MECHANICAL				
IZOD Notched Impact	ASTM D256	J/m	100	+23°C
Flexural Modulus	ISO 178	Mpa	1100	Speed 1 mm/min
Elongation at Break	ISO 527-1,2	%	60	Speed 50 mm/min
Tensile Yield Strength	ISO 527-1,2	Mpa	22	Speed 50 mm/min
FLAMMABILITY				
Flame Behaviour (1,6 mm)	UL94	Class	HB	UL approved
THERMAL				
Softening Temperature - 5 kg (VST/B/50)	ISO 306	°C	75	50°C/h
Deflection Temperature 1,80 MPa (HDT A)	ISO 75A	°C	55	
Deflection Temperature 0,45 MPa (HDT B)	ISO 75B	°C	115	

These value are for natural color only. Colorant or other additives may alter some or all of these property. 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.