



DATA SHEET

NILENE E15 K15TE

Polypropylene copolymer 15% mineral filled, medium high flow, designed for aesthetic applications.

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

DRYING - conditions		Melt temperature:	190 - 230°C
Pre-heater:	70 - 80°C / 1h	Mould temperature:	30 - 50°C
Dryer:	-	Rate of injection:	MEDIUM

PROPERTY	METHOD	unit	VALUE	condition
PHYSICAL				
Melt Flow Rate (MFR)	ISO 1133	g/10 min	15	230°C - 2,16 Kg
Reinforcing Charges	ISO 3451	%	15	600°C - 1h
Density (23 °C)	ISO 1183	g/cm ³	1,01	
Water Absorption (24h / 23°C)	ISO 62	%	0,04	
Mould Shrinkage (Parallel)	Internal method	%	1,2 - 1,4	
Mould Shrinkage (Normal)	Internal method	%	1,2 - 1,4	
MECHANICAL				
IZOD Notched Impact	ASTM D256	J/m	60	+23°C
Tensile Modulus	ISO 527-1,2	Mpa	1800	Speed 1 mm/min
Flexural Modulus	ISO 178	Mpa	1600	Speed 1 mm/min
Elongation at Break	ISO 527-1,2	%	35	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	
THERMAL				
Softening Temperature - 1 kg (VST/A/50)	ISO 306	°C	145	
Softening Temperature - 5 kg (VST/B/50)	ISO 306	°C	75	
Deflection Temperature 1,80 MPa (HDT A)	ISO 75A	°C	55	
Coefficient of linear thermal expansion	ISO 11359-1,-2	K ⁻¹	6x10exp(-5)	
Deflection Temperature 0,45 MPa (HDT B)	ISO 75B	°C	125	

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.