



DATA SHEET

NILFLEX 10 K15TE

Polypropylene copolymer high flow 15% mineral filled, high impact, good surface appearance.

Available: all colours, UV stabilized (L), heat stabilized (S), laser printable (LP).

DRYING - conditions		Melt temperature:	190 - 230°C
Pre-heater:	70 - 80°C / 1h	Mould temperature:	40 - 60°C
Dryer:	-	Rate of injection:	MEDIUM/HIGH

PROPERTY	METHOD	unit	VALUE	condition
PHYSICAL				
Melt Flow Rate (MFR)	ISO 1133	g/10 min	8	230°C - 2,16 kg
Reinforcing Charges	ISO 3451	%	15	600°C - 1 h
Density (23 °C)	ISO 1183	g/cm ³	1,03 - 1,05	
Water Absorption (24h / 23°C)	ISO 62	%	0,02	
Mould Shrinkage (Parallel)	Internal method	%	1 - 1,4	23°C - 3,2 mm
Mould Shrinkage (Normal)	Internal method	%	1 - 1,4	23°C - 3,2 mm
MECHANICAL				
IZOD Notched Impact	ASTM D256	J/m	200	+23°C
IZOD Unnotched Impact	ASTM D256	J/m	130	0°C
Flexural Modulus	ISO 178	Mpa	1600	Speed 1 mm/min
Elongation at Break	ISO 527-1,2	%	75	Speed 50 mm/min
Tensile Yield Strength	ISO 527-1,2	Mpa	24	Speed 50 mm/min
FLAMMABILITY				
Flame Behaviour (3,2 mm)	UL94	Class	HB	
Flame Behaviour (1,6 mm)	UL94	Class	HB	
THERMAL				
Softening Temperature - 5 kg (VST/B/50)	ISO 306	°C	70	50°C/h
Deflection Temperature 1,80 MPa (HDT A)	ISO 75A	°C	56	

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.