



DATA SHEET

NILENE P K30VA S

Polypropylene homopolymer 30% glass fibres reinforced chemically coupled, heat stabilized, good mechanical properties, flame rating UL94 HB.

UL94 HB approved all colours at 1,50 mm. UL746 B approved.

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

Pre-heater:	DRYING - conditions 70 - 80°C / 1 h	Melt temperature:	220 - 250°C
Dryer:	-	Mould temperature:	50 - 70°C
		Rate of injection:	MEDIUM

PROPERTY	METHOD	unit	VALUE	condition
PHYSICAL				
Melt Flow Rate (MFR)	ISO 1133 - ASTM D1238	g/10 min	4	230°C - 2,16 kg
Reinforcing Charges	ISO 3451	%	30	
Density (+23°C)	ISO 1183	g/cm ³	1,12	
Water Absorption (24h / +23°C)	ISO 62	%	0,2	
Mould Shrinkage (Parallel)	Internal method	%	0,2-0,4	
Mould Shrinkage (Normal)	Internal method	%	0,7-0,9	
MECHANICAL				
IZOD Notched Impact	ASTM D256	J/m	100	+23°C
IZOD Notched Impact	ASTM D256	J/m	70	-20°C
Tensile Modulus	ISO 527-1,2	Mpa	6200	Speed 1 mm/min
Flexural Modulus	ISO 178	Mpa	5700	Speed 1 mm/min
Elongation at Break	ISO 527-1,2	%	3,5	Speed 50 mm/min
Flexural Break Strength	ISO 178	Mpa	125	Speed 1 mm/min
Tensile Break Strength	ISO 527-1,2	Mpa	90	Speed 50 mm/min
FLAMMABILITY				
Oxigen index	ASTM D2863	%	20	
Flame Behaviour (1,5 mm)	UL94	Class	HB	UL approved
Burning Rate (US-FMVSS 302)	ISO 3795	mm/min	< 100	Thickness 2 mm
THERMAL				
Softening Temperature - 1 kg (VST/A/50)	ISO 306	°C	155	
Softening Temperature - 5 kg (VST/B/50)	ISO 306	°C	133	
Deflection Temperature 1,80 MPa (HDT A)	ISO 75A	°C	142	
Ball Pressure Test	IEC 60695-10-2	°C	125	
Deflection Temperature 0,45 MPa (HDT B)	ISO 75B	°C	155	

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.