

# Indoor / Outdoor Vinyl Film

Durable sign making applications

## TECHNICAL DATA SHEET

Revision Number. 1  
Last Edited 10. januar 2024



Verstile productline built with latest technology to consistently achieve superior results with exceptional quality. The vinyl products are targeted to municipalities, DOT's, large and small businesses. For both interior and exterior applications. Adjust very well to rough or curved surfaces.

- \* Pipe Marking
- \* Equipment Work Space ID
- \* Ware House Marking
- \* Safety & Compliance ID
- \* Gloss finish

Outdoor Life. Expected outdoor life depending on colour. Range is 5-8 years. Resistant to weak acids, greases, oils, salt spray, cleaners, detergents, and general industrial grime.

## Industry



Industry



Marine



Wind power



Commercial



Aerospace



Construction



Railway



Military



Electrical installations



Petrochemical



Telecom

## STANDARD COLOR



## MATERIAL

Polymeric stabilised Vinyl

## ADHESIVE

Solvent based permanent acrylic adhesive

## TEMPERATURE RANGE

-40°C to 90°C (-40°F to 180°F)

## RECOMMENDED RIBBON

FTI-Y black

## SMUGDE & SCRATCH RESISTANCE

Good Smear Resistance

## RESISTANCE TO SOLVENTS

Not recommended

## ROHS COMPLIANT

Yes

## APPLICABLE PRINTERS

CAB - EOS - SQUIX - A4+M

## HALOGEN FREE

No

## FLAMMABILITY

Self-extinguising, applied on aluminium - ISO 3795

## DIMENSIONS

18 - 25 - 50 - 100 mm Widths

## WINDING DIRECTION

Vinyl side out

## STORAGE

Do not store in direct sunlight. From date of manufacture 2 years. Cool and dry in original packaging.

Recommended temperature.

20°C - 50% RH - Relative Humidity

Prolonged storage at higher temperatures and / or higher humidity will shorten shelf life.

## APPLICATIONS

Developed to be used in normal Industry, Wind Power, Commercial, Construction, Electrical, Telecom and industrial signs etc.

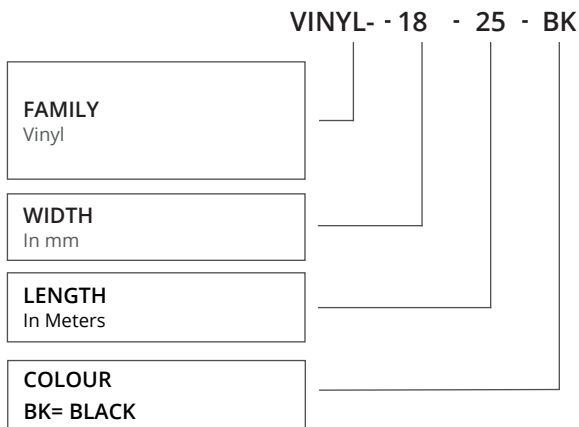
**ENVIRONMENTAL**

PROPERTIES	TEST METHOD	TYPICAL VALUE
TEST with XENON lamp, XENON (340nm) - Light 65 ° c irradiation 0.50 W/m <sup>2</sup> duration 1,42 hours - Light + Spray duration 0.60 W/m <sup>2</sup> duration 18 min	Visual Inspection	8 years : Black and white 7 years : All colours 5 years : Metallics

## Ordering Info - Part Number Example

**PART NUMBER EXAMPLES** - Vinyl Tape endless 18mmx25M Black

### Product code



## General Values for vinyl PP Film

### FILM PHYSICAL

PROPERTIES	TEST METHOD	TYPICAL VALUE
Dimensional stability	FTM 14 - 48 hours at 70°C on aluminium	<0,1 %
Caliper	DIN 53370	N-A
Opacity	DIN 53146/1	N-A
Tensile Strength	DIN 53455	1.5 kN//m
Elongation at break	DIN 53455	150 %
Thickness Micron		66 Micron

### FILM THERMAL

PROPERTIES	TEST METHOD	TYPICAL VALUE
Operating Temperature	.....	-40° - 90°C

### ADHESIVE PHYSICAL

PROPERTIES	TEST METHOD	TYPICAL VALUE
Tack min	FTM 1 - 20 min on stainless steel	15,0 N / 25mm
Tack Max	FTM 1 - 1 week on stainless steel	20.0 N /25mm
Approval		N-A
Clear, permanent, solvent based acrylic adhesive. Designed for film in combination with paper and filmic liners where excellent clarity, water, chemical or temperature resistance is required		

### ADHESIVE THERMAL

PROPERTIES	TEST METHOD	TYPICAL VALUE
Operating Temperature	.....	-40° - +90°
Labelling Temperature Min		10°C
Max Temperature		90°C

### PET BACKING LINER

PROPERTIES	TEST METHOD	TYPICAL VALUE
Substance	ISO 536	135 g/m <sup>2</sup>
Caliper	ISO 534	36 µm
Opacity	DIN 53146/1	85%
Tensile Strength MD	DIN 53455	72N/mm <sup>2</sup>
Tensile Strength CD	DIN 53455	72N/mm <sup>2</sup>
Clear polyester backing liner designed for applications needing high strength and moisture resistance in combination with stiff face materials or small labels that requires higher release level. For white vinyl, the liner is coated with a gray silicone coating to improve the contrast with the film colour		