

Indoor / Outdoor Vinyl Film

Durable sign making applications

TECHNICAL DATA SHEET

Revision Number. 1
Last Edited 8. Feb 2022



A versatile product line built with latest technology to consistently achieve superior results with exceptional quality. The vinyl products can be applied in both interior and exterior applications. They adjust very well to rough or curved surfaces.

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

The expected outdoor life depends on color from 5 to 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 - FTI-HLD-CO-WE

SMUGDE & SCRATCH RESISTANCE

Good smear resistance

RESISTANCE TO SOLVENTS

Not recommended

ROHS COMPLIANT

Yes

APPLICABLE PRINTERS

CAB - EOS - SQUIX

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.
2 years from date of manufacture.
Cool and dry in original packaging.

Recommended temperature.

20°C - 50% RH - Relative Humidity

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

APPLICATIONS

Developed to be used in industry, wind power, commercial, construction, electrical, telecom, industrial signs etc.

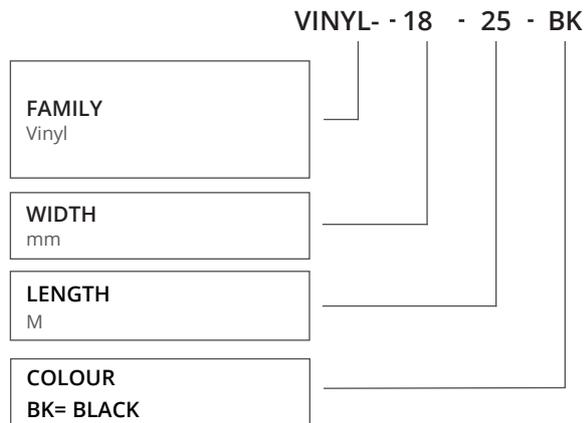
ENVIRONMENTAL

PROPERTIES	TEST METHOD	TYPICAL VALUE
TEST with XENON lamp, XENON (340nm) - Light 65 ° c irradiation 0.50 W/m ² duration 1,42 hours - Light + Spray duration 0.60 W/m ² 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	No test method	-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	No test method	-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 ²
Caliper	ISO 534	36 µm
Opacity	DIN 53146/1	85%
Tensile Strength MD	DIN 53455	72N/mm ²
Tensile Strength CD	DIN 53455	72N/mm ²
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		