

## Cold Temp Film

Available exclusively at Fellers! Designed to make cold weather installation simple and effective, this film utilizes a proprietary adhesive formulated to install in conditions as low as 10 degrees. You no longer need to acclimate your application surface or use special additives during the installation process. Fellers Black Label Cold Temp Film makes applying graphics in cold temperatures fast and easy. As with all Fellers Black Label products, Cold Temp film is also backed by our Buy and Try Guarantee.

Product Description	White Polymeric PVC Vinyl with Cold Temp Adhesive
<b>Film</b>	
Film Type	White Polymeric PVC
Film Thickness (mils) ASTM-D 1593	4 mil*
Film Weight (g/m <sup>2</sup> )	141*
Tensile Strength (kg/cm <sup>2</sup> ) ASTM D882	MD: ≥190
	TD: ≥190
Elongation (%) ASTM D882	MD: ≥100
	TD: ≥100
Dimensional Stability (% shrinkage) FTM14	MD: ≤0.3mm
	TD: ≤0.3mm
<b>Adhesive</b>	
Adhesive Type	Solvent
Adhesive Thickness (mils)	1.38 mil
Adhesive Color	Clear
Peel Strength on Stainless Steel: 15 min typical value (lbs/in / N/25m)	> 7
Peel Strength on Stainless Steel: 24 hrs typical value (lbs/in / N/25m)	> 12
<b>Liner</b>	
Liner Thickness (mils / microns)	5 / 125
Liner Weight (g/m <sup>2</sup> )	170
Liner Type	DSPE <sup>1</sup>
Release Force @ 300"/min (g/in) ASTM D-1000	20
<b>Performance Guidance</b>	
Application Temperature	10 to 120 °F
Service Temperature	-10 to 150 °F
Shelf Life	1 year
Storage Temp / Rel. Humidity	70 °F / 60%
Durability	Up to 5 years †
Printers	S, ES, L, UV <sup>2</sup>
<b>Additional</b>	
Fellers' Buy and Try Guarantee	Yes
Additional Technician Notes	Clean removable adhesive (minimal residue) up to 12 months

### Disclaimer

All data provided in this document is based upon tests executed by Fellers or their manufacturing partners and determined to be reliable information. Results may represent an average and any minimum or maximum values provided should be considered as a recommendation based on average circumstances. In the end, it is up to the end user to determine at their risk if the product is right for the desired application and outcome. These settings do not provide or imply a guarantee of the products use, outdoor durability, removability, or printability. In general, non-vertical applications can result in a reduced performance of 50% or more. This information is subject to change at any time without notice.

### Notations:

\* Thickness / Weight Variation: ± 0.5 mils / 10 microns  
 † Typical weather conditions, Vertical mounted, Unprinted  
 MD - Machine Direction  
 TD - Transverse Direction  
<sup>1</sup> DSPE - Double-Sided PE  
<sup>2</sup> S - Solvent, ES - Eco-Solvent, L - Latex, UV - UV



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