

Optically Clear Cast Overlaminates

Fellers Black Label Optically Clear Cast Overlaminates is a pressure sensitive vinyl featuring a permanent optically clear, solvent-based adhesive on a proprietary polyester liner, giving it the ultimate in optical clarity. This laminate offers UV protection and scratch resistance against light, moisture and abrasion. The product is designed for use when optical clarity is paramount, including applications such as reflective vinyl or perforated window films. As the product is a cast film, it is highly flexible and extremely durable. Cold lamination or heat assist lamination is recommended, not to exceed 115 degrees on heat assist.

Product Description	Optically Clear Cast Overlaminates
Film	
Film Type	Optically Clear Cast Vinyl
Film Thickness (mils) ASTM-D 1593	2 mil; (50 micron) (+/- 10%)
Gloss (60°)	≥90
Elongation (%) ASTM D882	MD ≥ 210
Dimensional Stability (% shrinkage) ASTM D1004	MD ≤ 0.3 mm
Adhesive	
Adhesive Type	Solvent
Adhesive Thickness	0.9-1.1 mil; 2 / 23-28 micron
Adhesive Color	Clear
Peel Strength on Stainless Steel: 15 min typical value (lbs/in / N/25m)	2.2 / 9.6
Peel Strength on Stainless Steel: 24 hrs typical value (lbs/in / N/25m)	2.8 / 12
Liner	
Liner Weight (lbs / gsm)	45 / 72 (+/- 10%)
Liner Type	Clear Frosted Polyester
Liner Thickness (mils / microns)	2 / 50
Release Force @ 300" / min (g/2") ASTM D-1000	15 - 45
Performance Guidance	
Application Temperature	≥ +45 °F
Service Temperature	-40 to 185 °F
Shelf Life	2 years
Storage Temp / Rel. Humidity	70 °F / 50%
Outdoor Durability	7 years †
Watercraft Applications	2 year durability, above the waterline

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:

† Typical weather conditions, Vertical mounted, Unprinted.
 Overall durability of the product is application dependent and should be considered the shortest-term durability of any of the finished sign components.
 MD - Machine Direction



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