

PRODUCT INFORMATION BULLETIN

Calon[®] Translucent Cast Vinyl

Series 2500: Non-Perforated

Series 2550/2570*: Perforated

- 7-year durability
- Excellent color consistency – not directionally sensitive
- Superior release and weeding
- Ideal for thermoformed designs
- Adhesive formulated for large-format lamination
- Designed for internally illuminated signage, displays and where light transmission is important

<u>PROPERTY</u>	<u>TEST METHODS</u>	<u>TYPICAL VALUE</u>	
SURFACE FINISH	Gloss Meter, 60° Reflection	25 – 40 units	
THICKNESS (including adhesive)	Micrometer, Federal Bench Type	ENGLISH 0.0034 in	METRIC 0.09 mm
TENSILE STRENGTH	Tensile Tester with 2-in (51 mm) jaw separation crosshead speed of 12 in/min. (5.1 mm/s)	4.5 lb/in width	0.8 kg/cm width
ELONGATION	Instron Tensile Tester as above	≥150%	
SHELF LIFE	Free from excessive moisture, temperatures, direct sunlight	2 years from factory shipment	
APPLICATION TEMPERATURE RANGE	On clean substrate	60°F to 90°F optimum	15°C to 32°C optimum
SERVICE TEMPERATURE RANGE	Film applied to etched aluminum panels 24 hours prior to testing	-40°F to 200°F	-40°C to 93°C
HUMIDITY RESISTANCE	Film applied to etched aluminum panels 24 hours prior to testing; 100% relative humidity at 100°F (38°C) for 500 hours	No appreciable effect	
GASOLINE RESISTANCE	Film applied to etched aluminum panels 24 hours prior to testing; immersed 15 minutes at 70°F (21°C); stabilized 24 hours before inspection	No appreciable effect	
DIMENSIONAL STABILITY	158°F (70°C), 48 hours	0.015 in	0.4 mm
PEEL ADHESION	PSTC-I, 15 min, RT 70°F (21°C)	≥40 oz/in	≥0.45 kg/cm
LINER RELEASE	TLMI 300 in/min (762 cm/min)	110 g/2 in	22 g/cm

*30" (1/2-inch punches): Size not available in all colors

Standard Terms and Conditions apply



ADHESIVE

Calon®, 2-mil cast translucent vinyl film is coated with a specially developed acrylic pressure-sensitive adhesive that facilitates applications over a wide range of temperatures. Initial adhesion, ultimate adhesion and shrinkage properties have been balanced to create a product that is easy to apply and performs to user expectations. Optimum application temperatures are between 60°F and 90°F (15°C and 32°C), but may be extended by special preparation; i.e., heat gun at below 40°F (5°C) and “wet” application at above 90°F (30°C).

DURABILITY

Seven (7) years, unprinted. Durability will be affected by any printing or clear coating, as well as actual exposure conditions and sign face maintenance.

USAGE AND APPLICATION INFORMATION

For best results on large, continuous-color signs, be sure to utilize material from identical rolls on the same sign face to assure perfect color reflection and transmission across the sign face.

When rejoining sheets or characters, avoid overlapping film if possible. A preferable splice can be achieved utilizing a 45°-mitre cut after determining splice point by overlapping. Strip waste ends from top and bottom, then butt-angle cut together.

The angled butt splice gives best protection from uneven splices, preventing light leaks while avoiding overlaps that will create dark bands along splice edges.

When installing large graphics on glass, Plexiglas or acrylic sign faces, it is useful to follow “wet” application techniques. This will reduce trapped air problems and aid in repositionability for proper registration. Care should be taken to thoroughly remove entrapped water through high squeegee pressure.

NOTICE TO PURCHASER

Information is based on tests believed to be reliable, but neither accuracy nor completeness is guaranteed. Seller’s and manufacturer’s only obligation shall be to replace such quantity of the film proven to be defective. Neither the seller nor the manufacturer shall be liable for any injury, loss or damage, direct or indirect, arising from the use or inability to use this product.

TERMS AND CONDITIONS

The customer assumes responsibility in determining product suitability for his intended end use. Seller’s and manufacturer’s only obligation shall be to replace product proven to be defective. Standard terms and conditions apply.

