

PRODUCT INFORMATION BULLETIN

Calon[®] Series 2000 High Performance Dazzlers

Series 2000: Perforated

- Premium 3-Mil Cast Vinyl
- Up to 5 Years Exterior Durability*
- Ideal for High Impact Signage, Striping & Logos

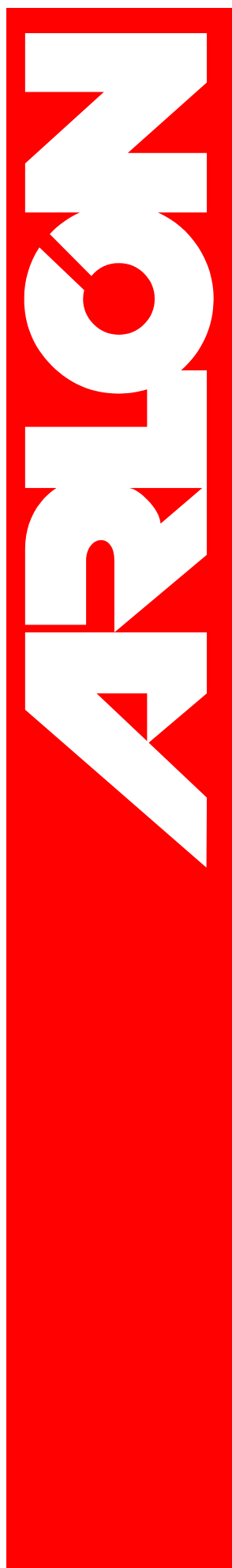
Series 2050: Non-Perforated

- Superior Release and Weeding
- Excellent for Flat & Soft-curved Surfaces
- 5 Super Metallic Colors

<u>PROPERTY</u>	<u>TEST METHOD</u>	<u>TYPICAL VALUE</u>	
SURFACE FINISH	Gloss Meter, 60° Reflection	90 units	
THICKNESS (including adhesive)	Micrometer, Federal Bench Type	ENGLISH 0.0042 in	METRIC 0.11 mm
TENSILE STRENGTH	Tensile Tester with 2 in. (51mm) jaw separation, crosshead speed of 12 in/min (5.1 mm/s)	≥5.5 lb/in width	≥0.98 kg/cm width
ELONGATION	Instron Tensile Tester as above	70%	
SHELF LIFE	Free from excessive moisture, temperatures, direct sunlight	1 year from factory shipment	
APPLICATION TEMPERATURE RANGE	On clean substrate	40°F to 120°F 60°F to 90°F optimum	5°C to 50°C 15°C to 30°C optimum
SERVICE TEMPERATURE RANGE	Film applied to etched aluminum panels 24 hours prior to testing	-40°F to 200°F	-40°C to 95°C
HUMIDITY RESISTANCE	Film applied to etched aluminum panels 24 hours prior to testing. 100% relative humidity, 100°F (38°C) for 500 hours	No appreciable effect	
GASOLINE RESISTANCE	Film applied to etched aluminum panels 24 hours prior to testing. Immersed 30 minutes at 70°F(21°C), stabilized 24 hours before inspection.	No appreciable effect	
DIMENSIONAL STABILITY	158°F, 48 hours/70°C, 48 hours	.010-.020 in	.25-.50 mm
PEEL ADHESION	PSTC-1 (15 min)	60 oz/in	0.65 kg/cm
LINER RELEASE	TLMI 300 in/min. (127 mm/s) 2 in. (51 mm) wide sample	150 g/2 in	30 g/cm

*Red has a 2-year exterior durability

Standard Terms and Conditions Apply



OPTIMUM PERFORMANCE

Actual weathering durability depends on surface preparation, surface maintenance and exposure conditions. Successful weather resistance is characterized by the retention of legibility.

Calon® film will resist weathering best when applied to vertical or upper outboard angles. Horizontal angles such as hood, trunk and auto roof surfaces will weather significantly sooner than vertical. This is due to increased exposure to sun and moisture as well as continued high deposition of dirt and atmospheric contaminants. Arlon does not recommend its Calon® film for horizontal and close horizontal applications.

OPACITY

High performance vinyl has the greatest hiding power of thin PVC films, however, the opacity does vary with color. HP vinyl is not recommended for back illuminated signage. **Only Series 2500 vinyls are designed and warranted for backlighting.**

ADHESION/CHEMICAL CHARACTERISTICS

ADHESION CHARACTERISTICS	ENGLISH		CHEMICAL REACTION RESISTANCE RESULT	
	UNITS Oz/in	NOMINAL kg/cm	CHEMICAL AGENTS	
ALUMINUM (anodized) (Mil spec M-43719)	75	0.85	ACID ENVIRONMENT (Ford spec ESB-M3G5L-B1.3.4.5)	No Change
STAINLESS STEEL (Ford spec. ESB-M3G5L-B1)	60	0.65	SOAP & WATER (Ford spec 3.4.4)	No Change
ACRYLIC LACQUER (Mil spec)	70	0.80	WATER (Ford spec 3.4.6)	No Change
ACRYLIC ENAMEL (Ford spec)	70	0.80	REFERENCE FUEL (Mil spec M43719-A)	No Change
CHROME PLATE (Ford spec)	60	0.65		

CALON® standard film adhesion (PSTC-1) 180°F, peel at room temperature at a rate of 12 inches per minute after 24 hours dwell.

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. See Arlon's Standard Terms and Conditions.



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