

## DuraSOLV+ Laminate Specification Sheet

# DLCAMA Vinyl Film

## Premium Cast Overlamine Pressure Sensitive Film

### PRODUCT DESCRIPTION

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**DLCAMA** is constructed of 2-mil cast vinyl film with clear, permanent pressure-sensitive adhesive. Designed to protect and prolong the life of printed images, **DLCAMA** is made of high quality, 100% polymeric face stock. **DLCAMA** is rated for outdoor durability up to 7 years. This product is not designed to be used as an optically clear window film.

### AREAS OF USE

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- Protective Overlamine for DS6M
- Long-term signage, kiosks, POP displays, fleet and vehicle applications
- **DLCAMA**: Matte finish

### PERFORMANCE AND PHYSICAL DATA

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<u>PROPERTY</u>	<u>TEST METHODS</u>	<u>TYPICAL VALUE</u>	
<b>SURFACE FINISH</b>	Gloss Meter 60° Reflection	60-90% (crystal) ≤ 10% (matte)	
<b>THICKNESS</b> (including adhesive)	Micrometer, Federal Bench Type	0.0032 in	0.08 mm
<b>TENSILE STRENGTH</b>	Tensile Tester with 2-in (51 mm) jaw separation; crosshead speed of 12 in/min. (5.1 mm/s), web direction	≥ 4.5 lb/in width	≥ 0.8 kg/cm width
<b>ELONGATION</b>	Instron Tensile Tester as above	≥ 150%	
<b>SHELF LIFE</b>	Free from excessive moisture, temperature, direct sunlight	2 years from factory shipment	
<b>APPLICATION TEMPERATURE RANGE</b>	On clean, dry substrate (flat) On clean, dry substrate (corrugated with rivets and channels)	40°F to 100°F 60°F to 100°F	4.4°C to 38°C 15°C to 38°C
<b>SERVICE TEMPERATURE RANGE</b>	On clean, dry substrate	-40°F to 175°F	-40°C to 79° C
<b>DIMENSIONAL STABILITY</b>	158°F (70°C), 48 hours	10 mils	0.25 mm
<b>PEEL ADHESION</b>	PSTC-1, 15 min, RT 70°F (21°C)	3.5 lbs/in	0.625 kg/cm
<b>LINER RELEASE</b>	TLMI Release at 90°, 300 in/min (760 cm/min)	120 g/2 in width	47 g/cm width

Standard Terms and Conditions Apply

Effective 2003  
Revision:07/2005

## **OPTIMUM PERFORMANCE**

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

**DLCAMA** will resist weathering best when applied to vertical or upper outboard angles. Horizontal angles, such as hood and auto roof surfaces, will deteriorate more quickly 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 film for horizontal or close horizontal applications.

## **HEAT & CHEMICAL CHARACTERISTICS**

<b><u>PROPERTY</u></b>	<b><u>TEST METHOD</u></b>	<b><u>TYPICAL VALUE</u></b>
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

## **CONDITIONS OF SALE**

*The following is made in lieu of all warranties expressed or implied:*

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