



# Product Data Sheets

## PEARLESCENTS 2 MIL CAST

### GENERAL DESCRIPTION:

The Pearlescents are polychromic, brightly colored, high gloss cast vinyl film series manufactured by a proprietary process. The films are opaque, offer uniform printability, and can be used in a broad range of markets including automotive, marine, recreational vehicle and computerized signmaking.

PRODUCT DATA	VALUE	TEST METHOD
<b>PHYSICAL PROPERTIES</b>		
<b>Outdoor Durability</b>	Five (5) years (vertical exposure film)	
<b>Thickness -mil (micron)</b>	Adhesive: 0.9-1.0 (23-25) +/- 0.1 (3) Film: 2.1 (54) +/- 10% Liner: 78# White Bleached Kraft	ASTM D 3652
<b>Application Surface</b>	Flat and simple curves	
<b>Service Temp. Range</b>	-50°F to 225°F (-46°C to 107°C)	
<b>Min. Application Temp.</b> <sup>2</sup>	50°F (10°C)	
<b>Shelf Life</b>	Two (2) years stored at 73°F (23°C) and 50% +/- 5% R.H.	
<b>Dimensional Stability (%)</b>	-0.015 in. (0.4 mm)	On Al panel at 150°F (65°C) for 48 hr.
<b>Printability</b>	Conventional and UV Curable - Flat and rotary screen printing	
<b>Adhesion Value</b>	Stainless Steel Substrate 180° Peel @ 10 in./Min. 73°F	ASTM 1000
<b>Flammability</b>	Self-extinguishing	
<b>Chemical Resistance</b>	Anti-freeze (24 hrs.) Detergent (24 hrs.) SAE 20 Motor Oil (24 hrs.) Gasoline (1 hr.) 10% HCL (10 min.) 10% NH <sub>4</sub> OH (10 min.)	No Effect No Effect No Effect No Effect No Effect No Effect

1. May be reduced by extreme climate exposure. 2. Surface/Ambient Air. 3. Always pre-test inks and method. 4. 180° peel at 10 in/min based on three production run.; tested as per ASTM 1000.

### Product Performance and Suitability

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