



Product Data Sheets

GEMSTONES

GENERAL DESCRIPTION:

The Gemstone Metallics are a cast vinyl film series with excellent surface gloss, color depth and complete opacity. It provides dynamic graphic accents and can be used for RVI and marine applications, automotive after-market graphics and striping, computerized sign making, trade show exhibits and point-of purchase displays.

PRODUCT DATA	VALUE	TEST METHOD
PHYSICAL PROPERTIES		
Outdoor Durability	Five (5) years (vertical exposure) ¹	
Thickness	Adhesive: Permanent Acrylic	ASTM D 3652
-mil (micron)	Film: 3 Mil (.78mm)+/- 10%	
	Liner: 78# White Bleached Kraft	
Application Surface	Flat (not recommended on contoured surfaces)	
Service Temp. Range	-50°F to 225°F (-46°C to 107°C)	
Min. Application Temp. ²	40°F (5°C)	
Shelf Life	Two (2) years stored at 73°F (23°C) and 50%+/- 5% R.H.	
Dimensional Stability (%)	-0.02 in. (0.5 mm)	On Al panel at 150°F (65°C) for 48 hr.
Printability ³	Printing not recommended	
Adhesion Value	20 min. Stainless Steel 45 oz/in (418 N/m)	24 hrs. 64 oz/in (616 N/m) 180°Peel @10in./Min 73°F
Flammability	Self-extinguishing	
Chemical Resistance	Anti-freeze (24 hrs.)	No Effect
	Detergent (24 hrs.)	No Effect
	SAE 20 Motor Oil (24 hrs.)	No Effect
	Gasoline (1 hr.)	No Effect
	10% HCL (10 min.)	No Effect
	10% NH ₄ OH (10 min.)	No Effect

1. May be reduced by extreme climate exposure. 2. Surface/Ambient Air. 3. Always pre-test inks and method.

Product Performance and Suitability

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