



Product Data Sheets

DOL 1000 GLOSS CLEAR OVERLAMINATE 2 MIL CAST

GENERAL DESCRIPTION:

SMF DOL 1000 Gloss Clear Cast Overlaminate is a premium quality high gloss vinyl film designed as a protecting overlaminate film for screen printed and digital printed decals.

PRODUCT DATA	VALUE	TEST METHOD
Outdoor Durability	Five (5) years ¹ (vertical exposure unprinted film)	
Thickness -mil (micron)	Adhesive: 1.0-1.2 (23-30) +/- 0.1 (3) Film: 2.1 (54) +/- 10% Liner: 90# White Bleached Kraft PE coated Printed Grey	ISO 4591:1992 ISO 4591:1992
Application Surface	Flat, simple curves, irregular with rivets	KPMF ST 22
Service Temp. Range	-40°F to 221°F (-40°C to 105°C)	
Min. Application Temp. ² 45°F (7°C)		Clean, dry surface
Shelf Life	Two (2) years stored at 73°F (23°C) and 50% +/- 5% R.H.	
Dimensional Stability (%)	-0.016 in. (0.4 mm) On Al panel at 158°F (70°C) for 48 hr.	FTM14/Aluminium
Flammability	Self-extinguishing	
Adhesion Value ³	24 hrs. Stainless Steel 74 oz/in (810 N/m) Aluminium 88 oz/in (970 N/m) Glass 74 oz/in (810 N/m) Acrylic Sheet 74 oz/in (810 N/m) ABS Sheet 63 oz/in (690 N/m)	Untreated
Chemical Resistance	Chemical Effect Anti-freeze (24 hrs.) No Effect Detergent (8 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 Sea Water No Effect	At 73°F (23°C) 1 year Mid Tide (BS 5609:1986)

1. May be reduced by extreme climate exposure. Metallics six (6) years; Colours eight (8) years. 2. Surface/Ambient Air. 3. 180° peel at 23°C

Product Performance and Suitability

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