



Product Data Sheets

FLEET GRADE REFLECTIVE

GENERAL DESCRIPTION:

SMF Fleet Marking Grade 17000 Series Reflective Vinyl Film, are premium quality, enclosed lens, retroreflective films which meet or exceed the applicable requirements of OEM Specification. Designed for use on computer sign cutting equipment. Fleet Marking Film provide excelent cutting, weeding, transferring and conforming characteristics.

PRODUCT DATA	VALUE	TEST METHOD
PHYSICAL PROPERTIES		
Outdoor Durability	Seven (7) years (vertical exposure, unprinted film) ¹	
Thickness -mil (micron)	Adhesive: PS 7004 Permanent, clear acrylic pressure-sensitive Film: 5.5 Mil (.152 μm) Urethane Engineer Grade Retrorefl. Film Liner: 90# White	
Application Surface	Flat, flat with rivets (not recommended for unpainted Stainless Steel applications)	
Service Temp. Range	-40°F to 180°F (-40°C to 82°C) (reasonable range of temperatures which would be expected under normal enviromental time and temperature conditions).	
Min. Application Temp.²	40°F (5°C) when applied with squeeze roll applicator	ASTM 1000
Application Temperature	50°F (10°C) when used for transportation (fleet) markings	
Shelf Life	One (1) year when stored at temp. below 73°F (23°C) and 50%+/- 5% R.H.	
Typical Film Caliper (with adhesive):	6.5 mils	
Dimensional Stability (%)	1/32 in. (0.8 mm) shrinkage (1000 hours Atlas Twin Arch Weatherometer, EH)	
Printability³	Conventional and UV-Curable Inks; Flat and Rotary Screenprinting	
Adhesion Value	180°Peel	
		15 min. 24hrs.
	Anodized Aluminum	3.4 lb/in 5.3 lb/in
	OEM Automotive Paint	3.8 lb/in 5.2 lb/in
Flammability	Self-extinguishing	

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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