



# Product Data Sheets

## TRAFFIC CONTROL ENGINEER GRADE REFLECTIVE

### GENERAL DESCRIPTION:

The Traffic Control Reflective engineer grade are enclosed lens retroreflective films which meet or exceed the applicable requirements of OEM Specification. Primarily designed for use on high quality signage, Traffic Series offers exceptional field performance combined with Engineer Grade reflectivity.

PRODUCT DATA	VALUE	TEST METHOD
<b>PHYSICAL PROPERTIES</b>		
<b>Outdoor Durability</b>	Seven (7) years (vertical exposure, unprinted film) <sup>1</sup>	
<b>Thickness -mil (micron)</b>	Adhesive: Permanent, clear pressure-sensitive Film: 4.5 Mil (.114 μm) Urethane Engineer Grade Retrorefl. Film Liner: 94# Yellow	
<b>Application Surface</b>	Flat (Not recommended for unpainted Stainless Steel applications)	
<b>Service Temp. Range</b>	-40°F to 180°F (-40°C to 82°C) (reasonable range of temperatures which would be expected under normal environmental time and temperature conditions).	
<b>Min. Application Temp.<sup>2</sup></b>	40°F (5°C) when applied with squeeze roll applicator	ASTM 1000
<b>Application Temperature</b>	50°F (10°C) when used for transportation (fleet) markings	
<b>Shelf Life</b>	One (1) year when stored at temp. below 73°F (23°C) and 50% +/- 5% R.H.	
<b>Dimensional Stability (%)</b>	0.03 in. (0.8 mm) shrinkage (1000 hours Atlas Twin Arch Weatherometer, EH)	
<b>Printability<sup>3</sup></b>	Conventional and UV-Curable Inks; Flat and Rotary Screenprinting	
<b>Adhesion Value</b>	Anodized 15 min. 90°Peel Aluminum 2.1 lb/in (368 N/m) OEM Automotive Paint 3.1 lb/in.(543N/m)	24 hrs. 180°Peel 3.1 lb/in (543 N/m) Tore 3.9 lb/in.(683 N/m) Tore
<b>Flammability</b>	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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