

REFLEX REFLECTORS

PRODUCT INFORMATION GUIDE

Application(s):	Use SAE A and DOT approved reflex reflectors to reduce cost in your reflector application program. These reflectors are easy to install, can not be knocked off like plastic reflectors, and save time with their quick peel & stick application. Our reflectors feature a highly reflective prismatic lenses in a durable transparent resin. The backing is coated with a permanent aggressive pressure sensitive adhesive with a clear poly easy remove liner.
Adhesive:	Permanent pressure sensitive adhesive
Face Film:	Acrylic prismatic retroreflective film
Total Thickness:	19 - 22 MIL
Liner:	Clear poly liner
Tape Application:	Minimum application temperature 10 ⁰ C (50 ⁰ F) Surface must be clean, flat and free from dust, dirt, oil, wax, silicone.
Certification:	Reflectivity meets or exceeds SAE J592 A.
Operational Temp:	(-40 ⁰ C to 82 ⁰ C) -40 ⁰ F to 180 ⁰ F
Shelf Life:	One year from date of purchase when stored at 70 ⁰ F, 50% relative humidity.

Warranted Photometric Performance:

Minimum candlepower per incident footcandle for a reflex reflector. Tested in accordance with SAE J594

Observation Angle	Entrance Angle	Red	Amber	Yellow
0.2 deg	0 deg	11	18	28
	10 deg Up	9	15	23
	10 deg Down	9	15	23
	20 deg Left	7	11.5	17.5
	20 deg Right	7	11.5	17.5
1.5 deg	0 deg	0.9	1.5	2.3
	10 deg Up	0.09	0.15	0.23
	10 deg Down	0.09	0.15	0.23
	20 deg Left	0.08	0.13	0.2
	20 deg Right	0.08	0.13	0.2

Colors & Specification Limites (Daytime):

The initial daytime (Illuminant A light source) color shall conform to the requirements identified in the table below. Tested in accordance to SAE J578 test method 4.1.3 45/0 (or equivalent 0/45) geometrics, CIE Illuminant A, and the 1931 CIE 2-degree standard observer. Values are based off of calculations and are only estimates. Refer to SAE J578 for details.

Color	Intersecting Equations		
Red	y=0.33	y=0.98-x	
Amber	y=0.39	y=0.79-0.67x	y=x-0.12
Yellow	y=0.58+0.14	y=1.29x-0.10	y=0.97-x

Color	1x / 1y	2x / 2y	3x / 3y	4x / 4y
Red	0.67 / 0.33	0.65 / 0.33	0.736 / 0.264	0.716 / 0.262
Amber	0.61 / 0.39	0.597 / 0.39	0.545 / 0.425	0.56 / 0.44
Yellow	0.544 / 0.456	0.525 / 0.445	0.467 / 0.503	0.48 / 0.52

The four pairs of chromaticity coordinates determine the acceptable color in terms of the CIE 1931 Standard Colorimetric System measured with CIE Standard Illuminant A.



This data is based on typical results achieved. It is the sole responsibility of the buyer or user to ensure that the product is suitable for any proposed end use or application and to ensure proper cleaning of the substrate to which it will be applied. This data in no way constitutes a specification, nor should it be seen as a recommendation for use. We accept no liability for any loss, damage or injury resulting from the use of these products or data.

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