

# PRODUCT DATASHEET



## Avery Dennison® V-6700-B Conspicuity Tape Prismatic Grade Conspicuity Tape for Vehicle Recognition

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### Description:

Avery Dennison® V-6700-B Series Reflective tape is a high quality, durable, self-adhesive, prismatic cube corner retroreflective tape. It is designed for use on vehicles for easy nighttime vehicle recognition and increased road safety. V-6700-B complies with ECE 104, Class C requirements.

### Construction:

<b>Face Film:</b>	Prismatic reflective film
<b>Adhesive</b>	Permanent, acrylic Pressure Sensitive
<b>Liner:</b>	Polymeric Film

### Warranted Photometric Performance:

Minimum Coefficient of Retroreflection ( $R_A$ ) (cd / lx / m<sup>2</sup>) according to ECE 104 / Class "C"

Observation Angle	Entrance Angle	White	Yellow	Red
0.33°	5°	450	300	120
	20°	/	/	60
	30°	200	130	30
	40°	90	75	10
	60°	16	10	/

Rem : Entrance angle is defined in C.I.E. notation by its  $\beta_2$  component.  $\beta_1$  &  $\epsilon$  are held at 0°.

### Colors & Specification Limits (Daytime):

V-6700-B conspicuity Tape will meet the color specifications set forth in ECE 104. These values are shown below.

Color	1		2		3		4		Luminance (y %)	
	x	y	x	y	x	y	x	y	Min	Max
White	0.300	0.270	0.385	0.355	0.345	0.395	0.260	0.310	25	--
Yellow	0.545	0.454	0.487	0.423	0.427	0.483	0.465	0.534	16	--
Red	0.690	0.310	0.595	0.315	0.569	0.341	0.650	0.350	3	--

The four pairs of chromaticity coordinates determine the acceptable color in terms of the CIE 1931 Standard Colorimetric System measured with Standard Illuminant D65 (geometry 45/0°).

### Colors & Specification Limits (Night-time):

V-6700-B conspicuity Tape will meet the color specifications set forth in ECE 104. These values are shown below.

Color	1		2		3		4	
	x	y	x	y	x	y	x	y
White	0.417	0.359	0.373	0.402	0.450	0.513	0.548	0.414
Yellow	0.585	0.385	0.610	0.390	0.520	0.480	0.505	0.465
Red	0.720	0.258	0.735	0.265	0.665	0.335	0.643	0.335



www.averygraphics.com

Graphics Division  
Rijndijk 86, P.O. Box 118  
2394 ZG Hazerswoude – The Netherlands  
Tel +31 71 3421500 – Fax +31 71 3421538

### **Other Specifications:**

The following information on physical and chemical characteristics is based upon tests believed to be reliable. The values are intended only as a source of information. They are given without guaranty and do not constitute a warranty. The purchaser should independently determine, prior to use, the suitability of this material for his/her specific purpose. (Data represents averages and is not intended for use as a specification).

### **Physical Properties:**

<b>Outdoor Durability</b>	Avery Dennison V-6700 is warranted 7 years when properly processed and applied (vertical exposure).
<b>Minimum Surface &amp; Ambient Air Application Temperature</b>	18°C
<b>Application Surface</b>	Recommended for flat and simple curved surfaces only. V-6700 is designed for application to painted and non painted aluminum surfaces. All rivets and seams must be cut. V-6700 is not designed for use on tarpaulin or soft-sided vehicles.
<b>Service Temperature Range</b>	-40°C to 82°C
<b>Typical Film Caliper (w/adhesive)</b>	305 µm to 330 µm
<b>Shelf Life</b>	One year when stored at the following temperature and conditions 20° - 25°C and 50% ± 5% R.H.
<b>Other Tests:</b>	Meets or exceeds applicable requirements outlined for ECE-104, Class "C" materials including color fastness, stability of photometric properties, resistance to weathering, corrosion, fuels, heat, cleaning and penetration of water

### **Color & Size Configurations Available :**

<b>Color Availability</b>	V-6700-B White V-6701-B Yellow V-6708-B Red
<b>Width:</b>	50.8 mm wide roll
<b>Roll Length:</b>	50 meters

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