

Avery Dennison® V-6750B Conspicuity Tape
Prismatic Grade Conspicuity Tape for Enhanced Visibility
and Vehicle Recognition - ECE 104 / Class C

Data Bulletin # PDB V-6750B

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Description:

Avery Dennison® V-6750B Series reflective tape for use on pvc curtain sided vehicles. It is a high quality, durable, self-adhesive, prismatic cube corner retroreflective tape and is designed for use on vehicles for easy nighttime vehicle recognition and increased road safety. V-6750B complies with ECE 104, Class C requirements.

Construction:

Pre-Mask:	Polymeric film
Face Film:	Prismatic reflective film
Adhesive	Permanent, acrylic pressure sensitive
Liner:	Polymeric film

Warranted Photometric Performance:

Minimum coefficient of retroreflection (R') in (cd / lx / m²) 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	/

Entrance angle is defined in C.I.E. notation by its β_2 component. β_1 & ϵ are held at 0°.

Colors & Specification Limits (Daytime):

Daytime colorimetric requirements according to ECE 104, Class C.

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	0.560	0.350	0.650	0.350	3	--

The four pairs of chromaticity coordinates and luminance range determine the acceptable color for new materials when measured with CIE Standard Illuminant D65 and 45° geometry.

Colors & Specification Limits (Night-time):

Night-time colorimetric requirements according to ECE 104, Class C.

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

The four pairs of chromaticity coordinates determine the acceptable color for new materials when illuminated with CIE Standard Illuminant A at an entrance angle of $\beta_1 = \beta_2 = 0$, or, if this produces a colorless surface reflection, angle $\beta_1 = 0$, $\beta_2 = +5$, and measured at an observation angle of $\alpha = 0.33$.

Avery Dennison® V-6750B continued...

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:

Outdoor Durability	3 years when properly processed and applied (vertical exposure).
Minimum Surface & Ambient Air Application Temperature	16°C
Application Surface	Avery approved curtains, not older than 6 months. Wet method of application is not recommended for V-6750B.
Service Temperature Range	-40°C to 80°C
Typical Film Caliper (w/Adhesive)	230µm to 255µm
Shelf Life	One year when stored at the following temperature and conditions: 20° - 25°C and 50% ± 5% R.H.
Other Tests	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.
Application Guidelines	<ul style="list-style-type: none"> • Do not overlap sheeting • Application underneath belts or buckles is not recommended • Remove pre-mask using a 180° peel off angle • Curtain must remain undisturbed for 2 hours after application • Allow 72 hours before washing

Color & Size Configurations Available:

Color Availability	V-6750B White V-6751B Yellow V-6772B Red
Width	50.8 mm wide roll
Roll Length	50 meters

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