

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

Dated: 10 May10

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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