

Avery Dennison® 6600 Prismatic Reflective Film
Translucent Reflective Signage
Revised: 3/4/2004

Description:

Avery Dennison® 6600 series Reflective sheeting consists of a micro-prismatic translucent face material and has been designed for internally illuminated signs. This product transmits uniformly diffused light to provide an attractive readable sign plus supplies backup protection in case of power failure due to the film's retroreflective properties. 6600 series far exceeds the retroreflective minimums specified in FAA specification AC 150/5345-44E.

Construction:

Face Film:	High gloss retroreflective film
Adhesive	Permanent clear acrylic pressure sensitive (applied to face)
Liner:	Clear polyester film

Physical Properties:

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).

Outdoor Durability	One year when properly processed and applied (vertical exposure, second surface applied)
Minimum Surface/Ambient Air Application Temperature	55°F (°C) when applied with a squeeze roll applicator or hand squeegee
Application Surface	Flat surfaces only. Impact modified acrylic substrates. Note: Use of wet method invalidates standard warranty of this product.
Service Temperature Range	-10°F to 160°F (-23°C to 72°C)
Typical Film Caliper (w/adhesive)	9.0 to 10.0 mils (229µm to 254µm)
Optical Properties	Exceeds FAA AC 150/5345-44F which cites type I sheeting of ASTM D-4956 for internally lighter signage
Shelf Life	One year when stored at the following temperatures and conditions 68°-77°F (20°-25°C) and 50% ± 5% R.H.

Products Available:

Product	Translucency Level (%Opacity)*	Color
661000048	Standard (low)	White
662000048	Medium	White
663000048	High	White
664000048	Ultra High	White
661010048	Standard (low)	Yellow
662010048	Medium	Yellow
663010048	High	Yellow
664010048	Ultra High	Yellow

*Translucency level is determined by the design of the light box and the intensity of the light source used in addition to the 6600 series product used.

Minimum Reflectivity Values per ASTM D-4956 Type I sheeting as cited in FAA AC 150/5345-44F:

Observation Angle	Entrance Angle	White Sheeting	Yellow Sheeting
0.2°	-4°	70	50
0.2°	30°	30	22
0.5°	-4°	30	25
0.5°	30°	15	13

Avery Dennison has no obligations under this warranty with respect to Sheeting that has been modified or damaged through misuse, abuse, accident, neglect or mishandling by Purchaser or Purchaser's customer. For example, unless specifically claimed in an Avery Dennison Product or Instructional Bulletin, Sheeting is not warranted against premature failure caused by chemical or mechanical means such as, but not limited to, vandalism, cleaning solutions, paints, solvents, improperly used high pressure washing equipment, mechanical washing equipment, steam, or organic solvents. Avery Dennison sheeting applied to unsound surfaces or surfaces that subsequently crack, peel, outgas, or become damaged beneath the Sheeting is not warranted for performance. Damage from fire, structural failure, lightning, and other force majeure events is not covered. Avery Dennison products covered by this warranty are intended only for use by professional users and only for the intended uses as described in the corresponding Avery Dennison Product Data Bulletins. Before using for any other application, user shall determine the suitability of the product for its intended use and user assumes all risk and liability in connection therewith.

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