

Physical and Chemical Properties

Physical properties

Features	Test method ¹	Results
Caliper, facefilm		228 µm
Caliper, adhesive		76 µm
Flammability		self extinguishing
Dimensional stability	ASTM D-4956	complies.
Shelf life	Stored at 23 °C/50% RH	1 year
Outdoor Durability ²	Vertical exposure	5 years

Temperature range

Features	Results
Application temperature	Minimum: +13 °C
Service temperature	-12 ° to +60 ° C

Chemical Properties

Solvent resistance

Resistant to most mild acids, alkalis and salt solutions

Colour consistency

Due to the nature of retroreflective material, graphics comprised of multiple pieces of film may give the perception of a colour shift depending on the viewing angle and light source. This is not considered a defect in the material. To minimise this effect, cut letters or stripes from one continuous piece of material or use materials from adjacent portions of the roll.

Important

Information on product characteristics and physical and chemical properties is based upon tests we believe to be reliable. The values listed herein are typical values and are not for use in specifications. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material to their specific use. All technical data are subject to change.

Warranty

Avery® branded materials are manufactured under careful quality control and are warranted to be free from defect in material and workmanship. Any material shown to our satisfaction to be defective at the time of sale will be replaced without charge. Our aggregate liability to the purchaser shall in no circumstances exceed the cost of the defective materials supplied. No salesman, representative or agent is authorised to give any guarantee, warranty, or make any representation contrary to the foregoing. All Avery® branded materials are sold subject to the above conditions, being part of our standard conditions of sale, a copy of which is available on request.

1) Test methods

More information about our test methods can be found on our website.

2) Durability

The durability is based on middle European exposure conditions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing south; in areas of long high temperature exposure such as southern European countries; in industrially polluted areas or high altitudes, exterior performance will be decreased.

