

PRODUCT DATA SHEET

Avery Dennison® 2920 QM Ultra Destructible

issued: 05/2015

Introduction

Avery Dennison 2920 QM is a special, ultra destructible film, especially designed and formulated to obtain tamper proof graphics and labels for safety and security applications.

Description

Facefilm: 60 micron, brittle, matt white, cast vinyl film
Adhesive: permanent, acrylic based
Backing paper: one side coated white kraft paper, 140 g/m²

Conversion

Screenprinting is recommended. Avery Dennison 2920 QM can also be die-cut with high quality steel rule dies.

For screen ink recommendations, please consult Avery Dennison Technical Bulletin 2.2.

Features

- Excellent destructibility and high vandal resistance.
- Outstanding durability and excellent outdoor performance.
- High opacity for superior hiding power.
- Excellent dimensional stability and printability.
- Smooth matt surface for superior appearance.

Recommendations for use

- Identification markings, instruction panels for manufacturing equipment.
- Nameplates, schematics on mechanical and electrical appliances.
- Permanent warning signs and emblems.
- Vehicle registration and safety inspection labels.
- Non-removable guarantee labels.

Physical properties

Features	Test method ¹	Results
Caliper, facefilm	ISO 534	60 micron
Tensile strength	DIN 53455	1,0 kN/m
Elongation	DIN 53455	10 %
Dimensional stability	FINAT FTM 14	0,2 mm max.
Adhesion, initial	FINAT FTM-1, stainless steel	600 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	800 N/m
Flammability		Self extinguishing
Shelf life	Stored at 22° C/50-55 % RH	2 years
Durability ²	Vertical exposure	5 years

Temperature range

Features	Results
Minimum application temperature	+10° C
Service temperature:	- 50° to +110° C

Chemical properties

Features	Test method ¹	Results
Humidity resistance	120 hours exposure	No effect
Corrosion resistance	120 hours exposure	No contribution to corrosion
Water resistance	48 hours immersion	No effect
Chemical resistance	48 hours immersion	No effect
Solvent resistance	Applied to aluminium, exposed to: oils, greases, aliphatic solvents, motor oils, heptane, kerosene and JP-4 fuel.	No effect

Important

Information on physical and chemical characteristics 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

All Avery Dennison statements, technical information and recommendations are based on tests believed to be reliable but do not constitute a guarantee or warranty. All Avery Dennison products are sold with the understanding that purchaser has independently determined the suitability of such products for its purposes. All Avery Dennison's products are sold subject to Avery Dennison's general terms and conditions of sale, see <http://terms.europe.averydennison.com>

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.