

PRODUCT DATA SHEET

Avery Dennison[®] 2920 QM Ultra Destructible

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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.

Conversion

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

Recommendations

- » 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.

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.



Face Film

60 micron, brittle, matt white, cast vinyl film



Adhesive

Permanent, acrylic based



Backing

One side coated white kraft paper, 140 g/m²



Durability

Up to 5 years outdoor (vertical exposure)



Shelf Life

2 years stored at 22°C/50%RH

Physical Characteristics

	Test method ¹	Results
Product		
Caliper, facefilm (micron)	ISO 534	60
Dimensional stability (mm max.)	FINAT FTM 14	0.2
Shelf life (years)	Stored at 22° C/50-55 % RH	2
Durability ² (years)	Vertical exposure	5
Adhesive		
Tensile strength (kN/m)	DIN ISO 527-3	1.0
Elongation (%)	DIN ISO 527-3	10%
Adhesion, initial (N/m)	FINAT FTM-1, stainless steel	600
Adhesion, ultimate (N/m)	FINAT FTM-1, stainless steel	800
Flammability		Self-extinguishing
Temperature range		
Application temperature (Minimum: °C)		+10
Service temperature (°C to +°C)		-50 to +110
Chemical properties		
Humidity resistance	120 hours exposure	No effect
Corrosion resistance	120 hours exposure	No contribution to corrosion
Water resistance	48 hours immersion	No effect
Solvent resistance	Applied to aluminium	No effect

oils, greases, aliphatic solvents, motor oils, heptane, kerosene and JP-4 fuel

Important

Information on physical and chemical characteristics and values in this document are based upon tests we believe to be reliable and do not constitute a warranty. 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. In case of any ambiguities or differences between the English and foreign versions of this document, the English version shall be prevailing and leading.

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.

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