

## PRODUCT DATA SHEET



# Avery® 2920 QM Ultra Destructible

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### Introduction

Avery 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/m<sup>2</sup>

### Conversion

Screenprinting is recommended. Avery 2920 QM can also be die-cut with high quality steel rule dies. For screen ink recommendations, please consult Avery 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.



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## PRODUCT CHARACTERISTICS

Avery® 2920 QM Ultra Destructible

### Physical properties

| Features                | Test method <sup>1</sup>     | Results            |
|-------------------------|------------------------------|--------------------|
| Caliper, facefilm       | ISO 534                      | 60 micron          |
| Tensile strength        | DIN 53455                    | 1,0 kN/m           |
| Elongation              | DIN 53455                    | 10 %               |
| Dimensional stability   | DIN 30646                    | 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 <sup>2</sup> | Vertical exposure            | 5 years            |

### Temperature range

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

### Chemical properties

| Features             | Test method <sup>1</sup>   | 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:<br>oils, greases, aliphatic solvents,<br>motor oils, heptane, kerosene<br>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

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.



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