



AEROSPACE MATERIAL SPECIFICATION

Society of Automotive Engineers, Inc.
400 COMMONWEALTH DRIVE, WARRENDALE, PA. 15096

AMS 2820

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AEROSOL PACKAGING

1. SCOPE:

- 1.1 Purpose: This specification establishes requirements for acceptable aerosol packaging.
- 1.2 Application: Primarily to ensure the safety and performance of aerosol containers in which products such as paint, cleaners for interior and exterior surfaces, and deodorants, are packaged.

2. APPLICABLE DOCUMENTS: The following publications form a part of this specification to the extent specified herein. The latest issue of Aerospace Material Specifications (AMS) shall apply. The applicable issue of other documents shall be as specified in AMS 2350.

- 2.1 SAE Publications: Available from Society of Automotive Engineers, Inc., 400 Commonwealth Drive, Warrendale, PA 15096.

2.1.1 Aerospace Material Specifications:

AMS 2350 - Standards and Test Methods

- 2.2. ASTM Publications: Available from American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.

ASTM D3058 - Simple Can-Puncturing Device
ASTM D3065 - Flammability of Aerosol Products
ASTM D3066 - Labeling Aerosol Cans
ASTM D3068 - Safe Fill of Aerosol Containers
ASTM D3069 - Delivery Rate of Aerosol Products
ASTM D3074 - Pressure in Metal Aerosol Containers
ASTM D3094 - Seepage Rate of Aerosol Products
ASTM D3097 - Testing Aerosol Products for Delivered Mass

3. TECHNICAL REQUIREMENTS:

- 3.1 Properties: Filled aerosol containers shall conform to the following requirements; when substantial quantities of a product are required for testing to determine conformance to the material specification, removal may be accomplished using apparatus described in ASTM D3058.
- 3.1.1 Flammability: There shall be no flame projection and no explosion and the product shall have no flash point during the 60-sec test, determined in accordance with ASTM D3065.
- 3.1.2 Container Head Space: Shall be not less than 7-1/2% at 130°F (55°C), determined in accordance with ASTM D3068.

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