



AEROSPACE MATERIAL SPECIFICATION

AMS3207

REV. N

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Superseding AMS3207M

Chloroprene (CR) Rubber
Weather Resistant
25 - 35

RATIONALE

This document has been determined to contain basic and stable technology which is not dynamic in nature.

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1. SCOPE:

1.1 Form:

This specification covers a chloroprene (CR) rubber in the form of sheet, strip, tubing, and molded shapes.

1.2 Application:

These products have been typically used for parts requiring resistance to weather, such as window channels, bumper pads, chafing strips, and seals, for use from -40 to +100 °C (-40 to +212 °F), but usage is not limited to such applications. Each application, however, should be considered individually.

1.3 Safety - Hazardous Materials:

While the materials, methods, applications, and processes described or referenced in this specification may involve the use of hazardous materials, this specification does not address the hazards which may be involved in such use. It is the sole responsibility of the user to ensure familiarity with the safe and proper use of any hazardous materials and to take necessary precautionary measures to ensure the health and safety of all personnel involved.

2. APPLICABLE DOCUMENTS:

The following publications form a part of this specification to the extent specified herein. The latest issue of SAE publications shall apply. The applicable issue of other publications shall be the issue in effect on the date of the purchase order.

2.1 SAE Publications:

Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

AMS 2279 Tolerances, Rubber Products

MAM 2279 Tolerances, Metric, Rubber Products

AMS 2810 Identification and Packaging, Elastomeric Products

2.2 ASTM Publications:

Available from ASTM, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

ASTM D 395 Rubber Property - Compression Set

ASTM D 412 Vulcanized Rubber and Thermoplastic Elastomers - Tension

ASTM D 471 Rubber Property - Effect of Liquids

ASTM D 573 Rubber Property - Deterioration in an Air Oven

ASTM D 624 Rubber Property - Tear Resistance

ASTM D 792 Rubber Property - Specific Gravity

ASTM D 797 Rubber Property - Young's Modulus at Normal and Subnormal Temperatures

ASTM D 2137 Rubber Property - Brittleness Point of Flexible Polymers and Coated Fabrics

ASTM D 2240 Rubber Property - Durometer Hardness

3. TECHNICAL REQUIREMENTS:

3.1 Material:

Shall be a compound, based on a chloroprene (CR) elastomer, suitably cured to produce a product meeting the requirements of 3.2.

3.2 Properties:

The product shall conform to the following requirements in Table 1, 3.2.10, and 3.2.11; tests shall be performed on the product supplied and in accordance with specified ASTM methods, insofar as practicable: