

**AEROSPACE
MATERIAL
SPECIFICATION**

SAE AMS-R-83285

REV. A

Issued 1998-03
Stabilized 2011-11

Superseding AMS-R-83285

Rubber, Ethylene-Propylene, General Purpose

RATIONALE

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

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This document has been taken directly from U.S. Military Specification MIL-R-83285 and contains only minor editorial and format changes required to bring it into conformance with the publishing requirements of SAE technical standards. The initial release of this document is intended to replace MIL-R-83285. Any part numbers established by the original specification remain unchanged.

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Any material relating to qualified product lists has not been adopted by SAE. This material was part of the original military specification and is reprinted here for historic reference only.

1. SCOPE:

1.1 Scope:

This specification covers two grades of ethylene-propylene rubber having excellent resistance to ozone and hot water, but poor resistance to hydrocarbon oils or solvents.

1.2 Classification:

The rubber covered by this specification shall be of the following grades, as specified (see 6.2):

Grade 60 60 nominal Durometer Shore A hardness.

Grade 80 80 nominal Durometer Shore A hardness.

2. APPLICABLE DOCUMENTS:

The following documents of the issue in effect on date of invitation for bids or request for proposal, form a part of the specification to the extent specified herein.

2.1 U.S. Government Publications:

Available from DODSSP, Subscription Services Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.

UU-P-268 Paper, Kraft, Untreated Wrapping
PPP-B-585 Box, Wood, Wirebound
PPP-B-591 Box, Fiberboard, Cleated
PPP-B-601 Boxes, Wood, Cleated-Plywood
PPP-B-621 Box, Wood, Nailed and Lock Corner
PPP-B-636 Box, Fiberboard
PPP-T-45 Tape, Gummed, Paper, Reinforced and Plain, for Sealing and Securing

MIL-P-4861 Packing, Preformed, Rubber Packing, Packaging of

MS 33666 Packing, Preformed-Aeronautical, Elastomeric, Range of Sizes

MIL-STD-105 Sampling Procedures and Tables for Inspection by Attributes

MIL-STD-129 Marking for Shipment and Storage

MIL-STD-289 Visual Inspection Guide for Rubber Sheet Material

MIL-STD-298 Visual Inspection Guide for Rubber Extruded Goods

2.2 ASTM Publications:

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

ASTM D 297 Chemical Analysis of Rubber Products

ASTM D 395 Tests for Compression Set of Vulcanized Rubber

ASTM D 412 Tension Testing of Vulcanized Rubber

ASTM D 471 Test for Changing Properties for Elastomeric Vulcanizates Resulting from Immersion in Liquids

ASTM D 573 Test for Accelerated Aging of Vulcanized Rubber by the Oven Method

ASTM D 624 Test for Tear Resistance of Vulcanized Rubber

ASTM D 746 Brittleness Temperature of Plastics and Elastomers by Impact

ASTM D 1149 Test for Accelerated Ozone Cracking of Vulcanized Rubber

ASTM D 2240 Test for Indentation Hardness of Rubber and Plastics by Means of Durometer