

# AEROSPACE MATERIAL SPECIFICATION

Submitted for recognition as an American National Standard

**SAE** AMS-7282

REV  
C

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Superseding AMS-7282B

## GASKETS, TYPE XX ENGINE ACCESSORY DRIVE Corrosion Resistant Steel Screen Reinforced

This specification has been designated as "NONCURRENT" by the Aerospace Materials Division, SAE, as of May 1990. It is recommended that this specification not be specified for new designs.

This cover sheet should be attached to the "B" revision of the subject specification.

Noncurrent refers to those parts which have previously been widely used and which may be required on some existing designs in the future. The Aerospace Materials Division does not recommend these as standard parts for future use in new designs. Each of these "Noncurrent" specifications is available on request.

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# AEROSPACE

## MATERIAL SPECIFICATIONS

SOCIETY OF AUTOMOTIVE ENGINEERS, Inc.

485 Lexington Ave., New York, N.Y. 10017

**AMS 7282B**

Issued 12-1-51  
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### GASKETS, TYPE XX ENGINE ACCESSORY DRIVE Corrosion Resistant Steel Screen Reinforced

1. **ACKNOWLEDGMENT:** A vendor shall mention this specification number and its revision letter in all quotations and when acknowledging purchase orders.
2. **APPLICATION:** Primarily for use between propeller controls and aircraft power plant control mounting pads.
3. **MATERIAL AND FABRICATION:** Gasket shall consist of screen made of corrosion resistant steel wire of 18Cr - 8Ni type firmly bonded between two thicknesses of gasket material.

#### 4. **TECHNICAL REQUIREMENTS:**

##### 4.1 **General:**

4.1.1 **Corrosion:** Gaskets shall not have a corrosive effect on other materials when exposed to conditions normally encountered in service. Discoloration of metal shall not be considered objectionable.

4.1.2 **Removability:** Gaskets shall be removable from an assembly without delamination due to excessive sticking.

4.2 **Properties:** Unless otherwise specified, gaskets shall conform to the following requirements; tests shall be performed on the gaskets in accordance with the issue of specified ASTM methods listed in the latest issue of AMS 2350, insofar as practicable.

##### 4.2.1 **As Received:**

4.2.1.1 Compressibility, %, max 35 See Note 1

4.2.1.2 Compression Set, %, max 15 See Note 1

4.2.1.3 Adhesion between components,  
lb per in., min 8 See Note 2

4.2.1.4 Leakage No perceptible accumulation  
of oil at the periphery and not  
more than 1 drop per min.  
leakage from any internal  
opening See Note 3

##### 4.2.2 **Lubricating Oil Resistance:** (Immediate Deteriorated Properties)

ASTM D471

Medium: ASTM Oil No. 1

Temperature: 100 C  $\pm$  1  
(212 F  $\pm$  1.8)

Time: 70 hr

Ø 4.2.2.1 Thickness Change, % 0 to +10

4.2.2.2 Compressibility, % max 35

4.2.2.3 Compression Set, %, max 25

4.2.2.4 Decomposition None