



AEROSPACE MATERIAL SPECIFICATION



AMS-P-25732A

Issued MAY 1998
Cancelled AUG 2003

Superseding AMS-P-25732

Packaging, Preformed, Petroleum Hydraulic
Fluid Resistant, Limited Service at 275°F (135°C)

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1. SCOPE:

1.1 Scope:

This specification covers O-ring packings for use with petroleum based hydraulic fluids conforming to MIL-H-5606 and MIL-H-83282 over the temperature range of -65° to 275°F (-54° to 135°C).

1.2 Sizes:

The O-rings conform to sizes shown in MS28775.

2. APPLICABLE DOCUMENTS:

The following publications, of the issues in effect on date of invitation for bids or request for proposal, form a part of this 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.

MIL-P-4861 Packing, Preformed, Rubber, Packaging of
MIL-G-5514 Gland Design, Packings, Hydraulic, General Requirements for
MIL-H-5606 Hydraulic Fluid, Petroleum Base, Aircraft, Missile, and Ordinance
MIL-H-6083 Hydraulic Fluid, Petroleum Base, for Preservation and Operation
MIL-S-18729 Steel Plate, Sheet, and Strip, Alloy 4130 Aircraft Quality
MIL-H-83282 Hydraulic Fluid, Fire, Resistant, Synthetic Hydrocarbon Base, Aircraft

MIL-STD-105 Sampling Procedures and Tables for Inspection by Attributes
MIL-STD-413 Visual Inspection Guide for Rubber O-rings

MS-28775 Packing O-rings, Hydraulic +275°F

QQ-A-250/4 Aluminum Alloy 2024, Plate and Sheet
QQ-A-250/11 Aluminum Alloy 6061, Plate and Sheet
QQ-A-250/12 Aluminum Alloy 7075, Plate and Sheet

2.2 SAE Publications:

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

AMS 5513 Steel, Corrosion Resistant, Sheet, Strip, and Plate, 19Cr - 9.2Ni (SAE 30304), Solution Heat Treated
AMS 5630 Steel, Corrosion Resistant, Bars, Wire, 17Cr - 0.52Mo (0.95 - 1.20C) (SAE 51440C)

2.3 ASTM Publications:

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

ASTM D 1414 Rubber O-rings

2.4 ANSI Publications:

Available from ANSI, 11 West 42nd Street, New York, NY 10036-8002.

ANSI B46.1 Surface Texture (Surface Roughness, Waviness, and Lay)