

[INCH-POUND]

A-A-55801
22 September 1995
SUPERSEDING
ZZ-R-765/58
21 January 1992

COMMERCIAL ITEM DESCRIPTION

RUBBER, SILICONE; PACKING PREFORMED

The General Services Administration has authorized the use of this Commercial Item Description as a replacement for ZZ-R-765/58, which is cancelled.

1. SCOPE This description covers a silicone rubber, preformed packing (O-ring), of various classes and grades.

2. CLASSIFICATION The silicone rubber shall be of the following classes and grades as specified. The designated grade number corresponds to the nominal Shore Durometer A hardness value.

Class 1A - Low temperature resistant
Grade - 40, 50, 60, 70 and 80

Class 1B - Low temperature resistant and low compression set at high
temperature
Grade - 40, 50, 60, 70 and 80

Class 2A - High temperature resistant
Grade - 25, 40, 50, 60, 70 and 80

Class 2B - High temperature resistant and low compression set
Grade - 25, 40, 50, 60, 70 and 80

Class 3A - Low temperature, tear and flex resistant
Grade - 30, 50 and 60

Class 3B - Tear and flex resistant
Grade - 30, 50, 60, 70 and 80

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any other data which may improve this document should be sent to Defense General Supply Center (DGSC), Attn DGSC-VCA, 8000 Jefferson Davis Highway, Richmond, VA 23297-5610.

AMSC N/A

FSC 9320

Distribution Statement A Approved for public release, distribution is unlimited

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3 SALIENT CHARACTERISTICS

3 1 Dimensional and physical requirements Dimensional and physical requirements shall conform to AS 568 O-rings not made to AS 568 shall be identified by a drawing number

3 2 Material Material shall be silicone rubber formulated and processed to meet the physical and mechanical properties specified in Table I of ZZ-R-765, when tested in accordance with the ASTM test method specified in Table IX of ZZ-R-765

3 3 Color Unless otherwise specified, the color of the silicone rubber shall be the natural color of the compound furnished.

3 4 Workmanship The end product shall be clean, smooth finished, and free from dirt, flash or rough edges

4 REGULATORY REQUIREMENTS

4 1 Recovered materials The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23 403 of the Federal Acquisition Regulation (FAR)

4 2 Metric products. Products manufactured to metric dimensions will be considered on an equal basis with those manufactured using inch-pound units, provided they fall within specified tolerances using conversion tables contained in the latest version of Federal Standard No. 376, and all other requirements of this Commercial Item Description are met. If a product is manufactured to metric dimensions and those dimensions exceed the tolerances specified in the inch/pound units, a request should be made to the contracting officer to determine if the product is acceptable. The contracting officer has the option of accepting or rejecting the product.

5 QUALITY ASSURANCE PROVISIONS

5 1 Contractor certification The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this Commercial Item Description, and that the product conforms to the producer's own drawings, specifications, standards, and quality assurance practices, and is the same product offered for sale in the commercial marketplace. The government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be otherwise provided under the provisions of the contract.

5.2 Market acceptability. The item offered must have been sold to the Government or commercial market and reflect demonstrated reliability and serviceability.

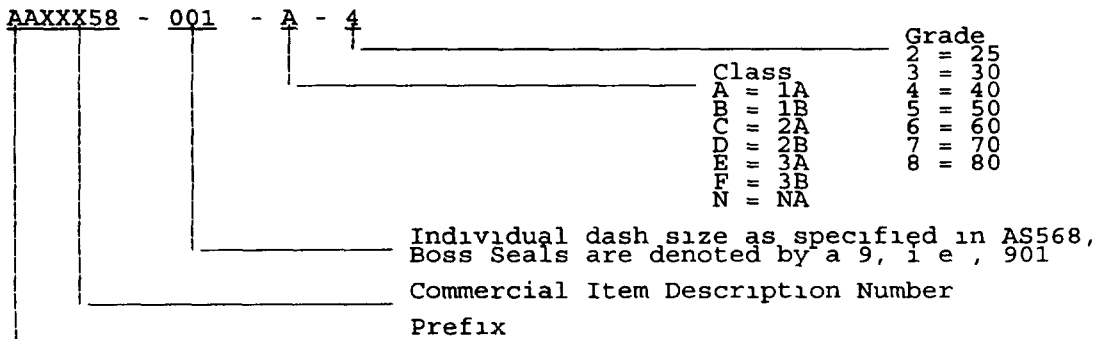
6 PRESERVATION, PACKAGING, PACKING AND MARKING. Preservation, packaging, packing and marking for shipment shall be in accordance with American Society and Materials (ASTM) D 3951 or as specified in the contract or order

7 NOTES

7.1 Part Identification Number (PIN) The following part identification numbering procedure is for government purposes and does not constitute a requirement for the contractor. The PINs to be used for items acquired to this description are created as follows.

Example of standard part number: AAXXX58-001A4

Example of Boss Seal part number AAXXX58-901A7



7.2 Addresses for obtaining reference documents.

AS

SAE
400 Commonwealth Drive
Warrendale PA 15096-0001

ASTM

American Society for Testing and Materials
1916 Race Street
Philadelphia PA 19103

7.3 Ordering data.

- Title, number, and date of this description.
- Class and grade required
- Color required if other than natural color of compound furnished.
- Specify any special packaging requirements.
- Specify any additional quality assurance provisions, deemed necessary, covered by ZZ-R-765
- Contracting officer may request proof of certification of commercial item prior to first contract delivery

7.4 Utilization caution Use of this material in items that may come in contact with human skin, food, or potable water is not recommended without prior approval of the appropriate medical service

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MILITARY INTEREST

CUSTODIANS

Army - MR

Navy - AS

Air Force - 11

REVIEWS ACTIVITIES

Army - AR, CR, ER, MI

Navy - SH, OS, YD1

Air Force - 82, 99

CIVIL AGENCY COORDINATING ACTIVITY

GSA - FSS

PREPARING ACTIVITY

DLA - GS

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