

[INCH-POUND]

A-A-55451

31 August 1995

SUPERSEDING

ZZ-R-765/3

11 April 1991

COMMERCIAL ITEM DESCRIPTION

RUBBER, SILICONE; CHANNEL, NONMETALLIC, SHAPE 3

The General Services Administration has authorized the use of this Commercial Item Description as a replacement for ZZ-R-765/3, which is cancelled

1. SCOPE. This description covers a silicone rubber nonmetallic channel, Class 3B, Grade 70.

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 Figure 1. Dimensional tolerances shall conform to the applicable commercial tolerances specified in ZZ-R-765.

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

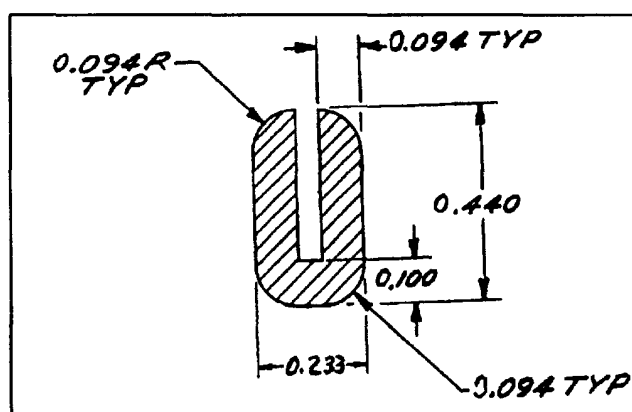


Figure 1 Dimensional and Physical Requirements

PART NO AAXXX03001F5

- NOTES:
1. Dimensions are in inches.
 2. Length: Any acceptable.
 3. Nonmetallic hardness rating: 45.0 min. and 55.0 max. Shore Durometer A.
 4. Minimum tensile strength: 1200 psi.
 5. Material transparency: Any acceptable.
 6. Color: Gray.
 7. Temperature rating: -70°C to 204°C (-94°F to 400°F).
 8. Tear and flex resistant.

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

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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

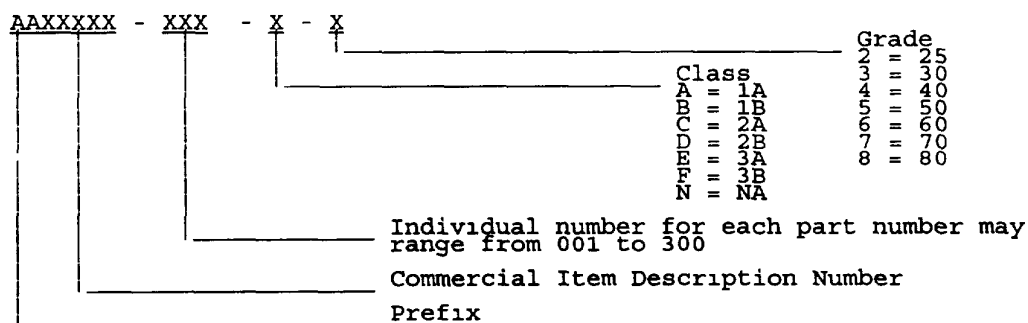
5.1 Contractor certification The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this Commercial Item Description, and that the product conforms to the producer's own drawings, specifications, standards, and quality assurance 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 for Testing 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:



7.2 Addresses for obtaining reference documents.

SAE

SAE
400 Commonwealth Drive
Warrendale PA 15096-0001

ASTM

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

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7 3 Ordering data

- a) Title, number, and date of this description
- b) Class and grade required.
- c) Length.
- d) Specify any special packaging requirements
- e) Specify any additional quality assurance provisions, deemed necessary, covered by ZZ-R-765
- f) 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.

MILITARY INTEREST

CUSTODIANS:

Army - MR
Navy - AS
Air Force - 11

CIVIL AGENCY COORDINATING ACTIVITY

GSA - FSS

PREPARING ACTIVITY

DLA - GS

(Project Number 9320-1110)