

A-A-1045  
June 26, 1980

## COMMERCIAL ITEM DESCRIPTION

## GRAIN, ABRASIVE (MINERAL)

The General Services Administration has authorized the use of this commercial item description in lieu of Military Specification MIL-A-21380B.

This commercial item description covers mineral type abrasive used with pressure blasting equipment to descale, clean and finish metallic parts.

Salient characteristics:

1. Shall be of the following types and grit sizes, as specified:

Type I - Aluminum oxide, for wet or dry blasting.  
Type II - Novaculite (silicon dioxide) (natural oilstone), for wet blasting.  
Type III - Silicon carbide, for wet or dry blasting

Grit sizes - 36, 40, 60, 80, 100, 120, 150, 180, 220, 240.

2. Grading of abrasive grain shall be in accordance with the requirements of ANSI B74.12.

3. Shall be composed as shown in table 1 below:

TABLE I

<u>Type</u>	<u>Composition (minimum)</u>	<u>Specific gravity (minimum)</u>
I	92.0% aluminum oxide	3.60
II	92.0% silicon dioxide	2.55
III	92.0% silicon carbide	3.20

Workmanship. Abrasive grain shall be uniform in appearance, noncaking, free flowing and shall not contain foreign grit or any other extraneous materials which will affect its serviceability.

This issue of ANSI B74.12 in effect on the date of the solicitation shall be used to determine compliance with stated requirements

Certification. The contractor shall certify that the product offered meets the salient characteristics of this 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 for under the provisions of the contract.

Recovered materials. The manufacturer shall utilize recovered materials to the maximum extent practicable.

Packaging, packing, and marking. The packaging and packing shall be in accordance with normal commercial practice and shall assure acceptance by common carrier and provide product protection against loss and damage during multiple shipments, handling, and storage. The shipping container shall be in compliance with the National Motor Freight Classification and Uniform Freight Classification. Marking shall be as specified in the contract or order.

Copies of ANSI B74.12, Specifications for the Size of Abrasive Grain-Grinding Wheels, Polishing and General Use, are available from the American National Standards Institute, 1430 Broadway, New York, NY 10018.