

SPECIFICATION: USTMA8

Date Issued: 12/02/02

Revision: A

Revised: 10-06-09

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US Technology Magic[®] Nano-Composite Abrasive Blast Media (Type VIII Mil-P-85891A)

1.0 SCOPE:

- 1.1 Purpose: This specification covers the requirements for Magic[®] Nano-Composite Blast Media.
- 1.2 Warning: Utilization of the material covered by this specification requires that precautions be taken in accordance with the manufacturer's instructions and accompanying Material Data Sheet.

2.0 APPLICABLE DOCUMENTS:

The following publication forms a part of this specification to the extent specified herein; unless otherwise specified, the latest issue shall apply.

- 2.1 US Technology Corporation Specifications: Available from US Technology Corporation
1446 W. Tuscarawas Street, Canton, Ohio 44702

USTMA8 Control of Material Processes - Laboratory Requirements for Testing
Control of Reports and Procedures for Product Qualification, ISO 9002.
- 2.2 SAE Aerospace Publications: Available from SAE, 400 Commonwealth Drive,
Warrendale, PA 15086-0001
 - 2.2.1 Aerospace Material Specifications:
Mil-P-85891 A for Plastic Media AMS 2825 Material Safety Data Sheets

3.0 TECHNICAL REQUIREMENTS:

Material Type: Material is a nano-structured abrasive media comprised of blended amino thermoset resins and reinforcing fiber (Type VIII - Mil-P-85891 A).

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3.1 Product Part Number: USTMA013060 - 250 lb. net wt. Drum
USTMA023060 - 1750 lb. net wt Supersack
USTMA012040 - 250 lb. net wt. Drum
USTMA022040 - 1750 lb. net wt Supersack

3.2 Size: 30/60 Mesh - U.S.A. Standard Sieve
20/40 Mesh - U.S.A. Standard Sieve

3.3 Hardness: 60 Barcol

3.4 Density: 1.36 to 1.46

3.5 Conductivity: 100 micro-seimans/cm maximum

3.6 Heavy Particulate: 0.02 maximum

3.7 Light Particulate: 1.00 maximum

3.8 Ash: 2.00% maximum

3.9 Extract: 1.00% maximum

3.10 pH: 4 to 8

4.0 QUALITY:

The product as received by the customer shall be uniform in quality and condition, clean and free from materials detrimental to the usage of this product.

5.0 CONTROL:

Shall be in accordance with US Technology's Quality Specifications and Testing Requirements listed in US Technology Corporation ISO 9002 Documentation.

6.0 SAFETY DATA:

A material safety data sheet conforming to AMS 2825 will be supplied to purchaser prior to, or concurrent with, the initial shipment of material. If material formulation is subsequently changed from initial data sheet, a revised data sheet will be supplied to, or concurrent with, the first shipment of material with the revised formulation.

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7.0 SOURCE QUALIFICATION:

Material shall comply with requirements of US Technology Specification USTMA8 and Mil-P-85891A.

7.1 Qualified Material Shall Be:

Material:

Magic[®] Nano-Composite Blast Media

Source:

US Technology Corporation
1446 W. Tuscarawas Street
Canton, Ohio 44702
Ph (330) 455-1181
Fx (330) 455-1191

7.1.1 Material shall be procured from the source identified in 7.1 or from an intermediate source or distributor provided the purchaser is furnished with UST written certification that the material originated from the source listed in 7.1 and that the material meets the requirements of this specification.

8.0 PREPARATION FOR DELIVERY:

8.1 Packaging: Material will be prepared for shipment in accordance with commercial practice to ensure carrier acceptance and safe transportation to the point of delivery. Packaging will conform to carrier rules and regulations applicable to the mode of transportation.

9.0 SPECIFICATION NUMBER:

US Technology will mention this specification number and any revision letter numbers in all quotations and when acknowledging purchasing orders.