

NATIONAL AEROSPACE STANDARD

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC., 1725 DE SALES STREET, N. W., WASHINGTON, D. C. 20036

- 1.0 **SCOPE** This standard provides a method for the packaging of Reels of Boron, Glass or Graphite Filament Tapes.

2.0 **REFERENCES**

- 2.1 General Packaging Standard NAS 850
2.2 NAS992 - Reel - Composite Filament Tape - Automated Machine Lay-up.

3.0 **REQUIREMENTS**3.1 **General**

- 3.1.1 Requirements of General Packaging Standard, NAS 850, are part of this standard except as noted herein.
3.1.2 Materials used must be compatible to the characteristics of solid carbon dioxide (dry ice).

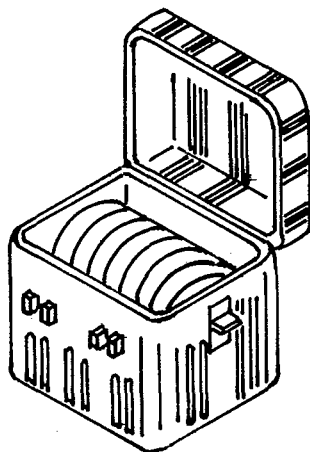
3.2 **Unit Pack**

FIGURE I

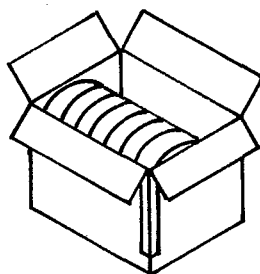


FIGURE II

3.2.1 **Figure I - Reusable Container**

Container to be constructed of linear polyethylene, or equivalent, with two handles and latches as standard hardware, hinged cover and watertight seal around container opening lip. Cover to have I.D. depth of 2". Place reel(s) in polyethylene bag and seal. Insert bagged reels in container on edge. Place compatible dunnage in container to fill void when full complement of reels are not used. Pack in Figure III shipping container.

3.2.2 **Figure II - Disposable Container**

Place reel(s) in polyethylene bag and seal. Place in 275# test RSC water-resistant carton, or equivalent, on edge. Place compatible dunnage in container to fill void when full complement of reels are not used. Pack in Figure III shipping container.

LIST OF CURRENT SHEETS

NO.	REV.
1	1
2	1
3	1

① INACTIVE FOR DESIGN AFTER 26 APRIL 1982

CUSTODIAN: MANUFACTURING COMMITTEE

PROCUREMENT
SPECIFICATION

NONE

TITLE

REELS, FILAMENT TAPE, PACKAGING OF

CLASSIFICATION
PACKAGING STANDARD

NAS 3452

SHEET 1 OF 3

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3.0 REQUIREMENTS (cont'd.) UNIT CONTAINER SIZES

Reel Dimension

Size A (15")

Size B (20")

Inside Dimension

L	W	H
17-1/2"	15-1/2"	15-1/2"
17-1/2"	20-1/2"	20-1/2"

3.3 Shipping Container

3.3.1 Figure III - Reusable Container

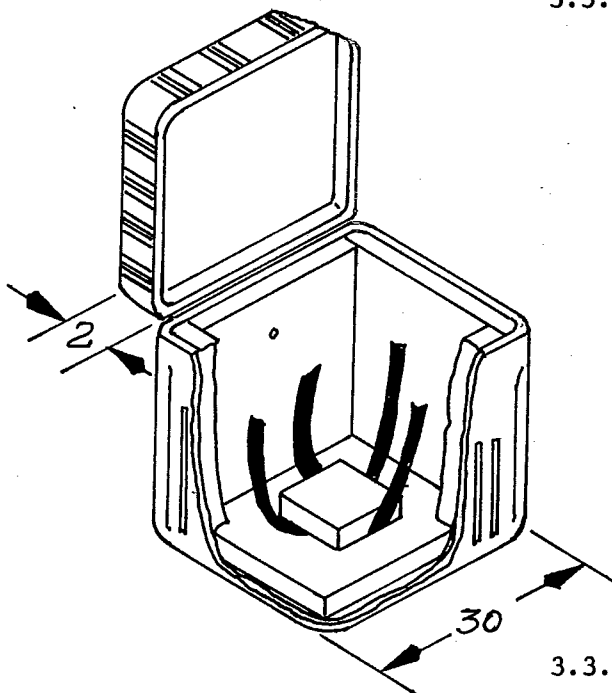


Figure III

Container to be linear polyethylene insulated with 2" foam, or equivalent. To have raised platform or bottom 3" high to allow circulation of chilled air. Bottom platform to be 15" x 15" square and to have nylon straps to secure unit pack (Figure I or II) firmly in place. Back of container to have 3/8" dia. hole through container and foam for escape of gas. Container to have 2 handles and latches as standard hardware for closure. After unit pack is strapped in place, place sufficient solid carbon dioxide (dry ice) around and on top of unit container to maintain a temperature of -18°C (0°F) for up to 72 hours. There shall be solid carbon dioxide present upon receipt at the procuring agency.

3.3.2 Disposable Container

May be a cleated plywood container, corrugated fiberboard or equivalent, meeting Federal tariffs and regulations. All other requirements of the reusable shipping container must be met.

SHIPPING CONTAINER SIZESReel Dimension

Size A (15")

Size B (20")

Inside Dimension

L	W	H	
30"	28"	28"	Less Foam
30"	33"	33"	Less Foam

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NAS 3452

Documents

SHEET 2