

LMSSC PACKAGING STANDARD

P-81

Revision 0
6/9/2010
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PACKAGING HONEYCOMB SHEETS

1. SCOPE

This standard provides instruction for packaging honeycomb sheets for shipments from Lockheed Martin Space Systems Company (LMSSC) facilities and from suppliers to LMSSC facilities. Exceptions or additional requirements shall be specified by the purchase order.

2. REFERENCES

The following information is intended as a guide or aid to suppliers in meeting the requirements of this specification.

Commodity

Military/Commercial Specification/ Requirements

Wood Transport Container

ASTM D 6880, Specification for Wood Boxes, or equivalent

Cleated Plywood Transport Container

ASTM D 6251, Specification for Wood-Cleated
Panelboard Shipping Boxes, or equivalent

Fiberboard Sheeting

ASTM D 4727, Specification for Corrugated and
Solid Fiberboard Sheet Stock (Container Grade) and Cut
Shapes, or equivalent

Handling Labels

ASTM D 5445, Practice for Pictorial Markings for Handling
Goods

Kraft Paper

MIL-DTL-17667, Paper, Wrapping, Chemically Neutral (Non-
Corrosive), or equivalent

Polyethylene Bags

MIL-DTL-117, Type III, Class B, Style 2, Bags, Heat-Sealable,
or equivalent

3. REQUIREMENTS

3.1. GENERAL

Honeycomb sheeting shall be preserved in accordance with the requirements of the material specification or purchase order. Any conflict between this document requirements and released engineering, the released engineering takes precedence.

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3.2. PACKAGING

The Honeycomb sheeting shall be individually wrapped in neutral kraft paper. If honeycomb sheets are placed in a poly bag, then the kraft paper may be omitted. The wrapped material shall then be packed in wooden or cleated plywood transport containers. Containers with a gross weight of over 200 pounds shall be provided with skids and rubbing strips for four-way forklift handling. The transport containers shall be lined with applicable cushioning material in a sufficient thickness to avoid damage from the transportation and handling environments. Cushioning shall provide a tight fit to minimize rattle space. If multiple honeycomb sheets are packed within a container they shall be interleaved with sheets of doublewall corrugated fiberboard. Singlewall corrugated fiberboard sheets are acceptable when doublewall sheets are not available.

3.2.1. Cleanliness

Cardboard shall be visibly clean of contaminants. Packaging materials shall not contaminate or degrade the performance of the honeycomb. Silicones, greases, oils, or excessive particulates on the honeycomb are not permitted.

3.3. MARKING

Shipping containers shall be marked in accordance with the requirements of the material specification or purchase order. "This Way Up" and "Do Not Drop" handling labels shall be applied to the container.

3.4. QUALITY ASSURANCE

Packaging shall be accomplished in such a manner as to prevent physical damage to, or degradation of, the packaged items during delivery to the using activity. It shall be the prerogative of LMSSC to return damaged items, at supplier's expense, when such damage is attributable to improper protection.

4. NOTES

If assistance is required, contact LMSSC Product Protection Engineering at (303) 971-1333 or (408) 742-2200.