

ASTM D3951 Overview:

Preservation, packaging, packing, and marking furnished by the suppliers shall meet or exceed the following minimum requirements:

- **Cleanliness**—Items shall be free of dirt and other contaminants which would contribute to deterioration of the item or which would require cleaning by the customer prior to use. Coatings and preservatives applied to the item for protection are not considered contaminants.
- **Preservation**—Items susceptible to corrosion or deterioration shall be provided protection such as preservative coatings, barrier protection, volatile corrosion inhibitors, or desiccated unit packs.
- **Cushioning**—Items requiring protection from physical and mechanical damage or which are fragile shall be protected by wrapping, cushioning, pack compartmentization, cartonizing, or other means to mitigate shock and vibration to prevent damage during handling and shipment.
- **Loose-fill Cushioning/Dunnage**—Loose-fill material shall be prohibited for all DoD and/or General Services Administration (GSA) shipments and shipments to aerospace facilities.

A unit package must contain the contents with no damage to them, and with minimal damage to the unit pack during shipment and storage in the shipping container, and will allow subsequent handling.

Unless otherwise specified in the contract or purchase order, the unit package quantity (QUP) shall be one each part, set, or assembly.

Unit packages and intermediate containers not meeting the requirements for a shipping container will be packed in shipping containers. The shipping container (including any necessary blocking, bracing, cushioning, or water resistance) will provide safe delivery to the destination. The shipping container will be capable of multiple handling and storage periods at a minimum of one year in enclosed facilities without damage to the product.

Source: [Defense Logistics Agency Website](#)