

DOE GOVERNMENT-FURNISHED SHIELDED OVERPACKS INFORMATION

Basic Drum Overpack - General Specification: [3" Thick Lead Shield]**

The outer 'skin' is comprised of an open head steel drum to meet 55 gallon overpacking interior requirements and seal lid constructed of [16 Ga.] carbon steel. The drum meets UN rating 1A2/Y409/S

The Inner Control Liner wall is fabricated from 3/8" [0.375] carbon steel. The Liner is completely seal welded to the drum inner wall at the open head so there is no exposed lead in the final product.

The 3" [nominal] cavity between the drum wall and the inner control liner is filled with poured-in-place molten lead. The lead is poured through access ports that are sealed after the lead has solidified. There is no possibility of cross-contamination between the lead shield and the container contents.

The -Inner Control Liner - usable storage space measures approximately 25.25" [dia.] x 35" high. The shield cap is 3" thick lead encapsulated in carbon steel.

The shield wall/cap interface is labyrinthine [to minimize 'shine'].

The drum Sealing Lid is supplied with a sealing gasket and bolted clip ring. The bolting device is designed to accept a tamper-evident security seal.

The Sealing Lid is designed to accept standard [Nucfil type] Filters.

**** Designs and final product may be modified to meet specific shielding requirements and interior package design.**

