



Technical Data Sheet



Liner 55-4-T40 4-Ply Quadruple Barrier Liner

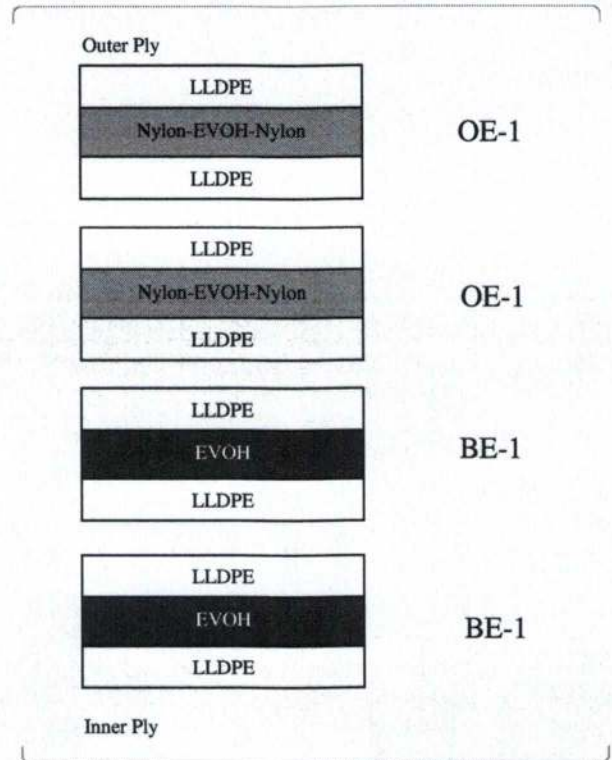
Applications

The Shield Pack 55-4-T40 liner is designed to function as an aseptic package and to provide extremely high barrier protection for low acid, oxygen sensitive products. The 4-ply construction is designed for aqueous, low viscosity food products, where protection from shoreline fractures that result from extended shipping distances, is required. The liner is intended to be fitted to a 55-gallon drum before filling and is not intended to function as a load-bearing component within the package that contains it.

Features

The outer two nylon-EVOH-nylon coex plies with the two inner EVOH coex plies provide excellent oxygen barrier properties. They also provide strength and abuse resistance required for transportation of liquid products. This structure is not designed to withstand hot-fill, boiling, or retort filling/processing conditions. Maximum fill temperature should not exceed 165°F (74°C).

Liner Layer Diagram



Ply Designation	Nominal Thickness (mil)	O ₂ TR (cc/100 in ² /24 hrs. @ 73°F, 80% RH, 1 atm.) ASTM D3985	WVTR (g/100 in ² /24 hrs. @ 100°F, 90% RH, 1 atm.) ASTM F 1249	Coefficient Of Friction ASTM D 1894
(OE-1) x 2	2 x 2.25	< 0.09	< 0.3	< 0.12
(BE-1) x 2	2 x 2.75	0.06	< 0.3	< 0.15
Total	10.0	< 0.02	<0.15	N/A

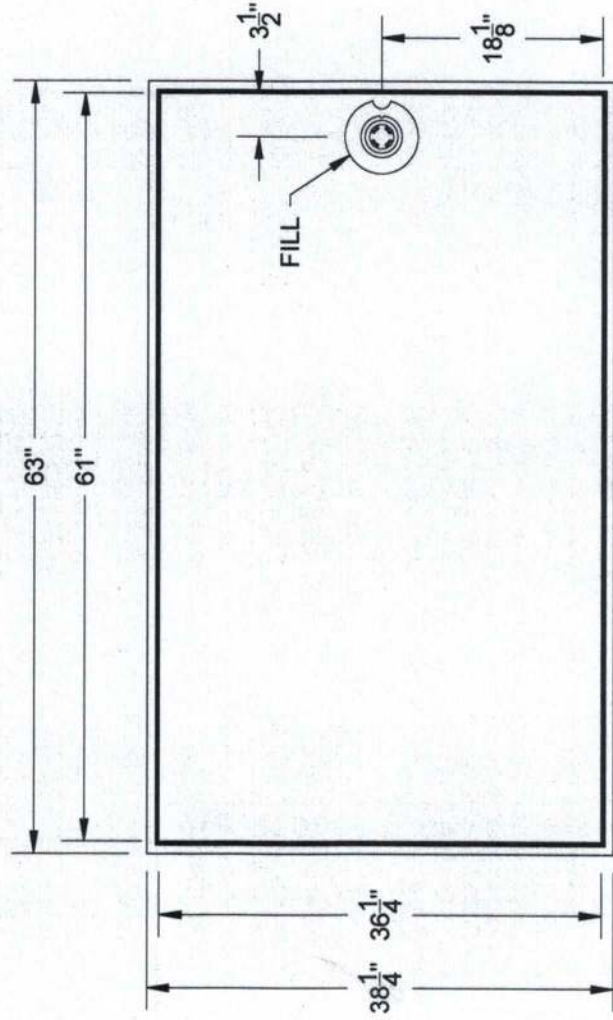
Independent Lab Testing: 55-4-T40, or equivalent materials in liner form have passed 3 hour shipping simulation vibration tests, drop and impact tests when packaged with water at third party testing facility. The results are available on request.

FDA status: The above mentioned **astropa** product complies with the Federal Food, Drug and Cosmetic Act (FFDCA), as amended, and the applicable regulations promulgated by the Food and Drug Administration in title 21 of Code of Federal Regulations, parts 170 through 189. The product, when shipped, is not adulterated or misbranded within the meaning of FFDCA. It is the responsibility of the purchaser to determine the fitness of use.

TECHNICAL SPECIFICATION

CUSTOMER PART #	N/A	FILL FITMENT	2" SINGLE THREAD
FILM		GLAND	RIEKE
NUMBER OF PLYS	4	PLUG	EPDM
MATERIAL PLY 1, 2, 3, 4	BE-1, BE-1, OE-1, OE-1	DISPENSE FITMENT	
MATERIAL THICKNESS	2.75 MIL, 2.75 MIL, 2.25 MIL, 2.25 MIL	GLAND	NONE
PACKAGING		MEMBRANE	N/A
BAGS PER BOX	15	PLUG	N/A
BOXES PER PALLET	28	GASKET	N/A
FOLD PATTERN	FOLD-76	CUTTER	N/A

- NOTES:
- ALL TOLERANCES ARE +/- 1/2" (UNLESS OTHERWISE SPECIFIED). DIMENSIONS ARE INSIDE SEAL TO SEAL.
 - MAXIMUM FILL TEMPERATURE NOT TO EXCEED 165° F. NOT RECOMMENDED FOR A HOT FILL APPLICATION.



DRAWING NO.	CSRF #2199	TYPE	LIQUID
DESCRIPTION	VERTICAL SEAM PILLOW BAG		
SIZE	36-1/4" x 61"		
VOLUME	55 GAL		
REV.	0	DATE	11/09/15
BY	MGG	APPV.	BY
SAMPLE DRAWING			
REVISION DESCRIPTION			

astropaq™

ROAD
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