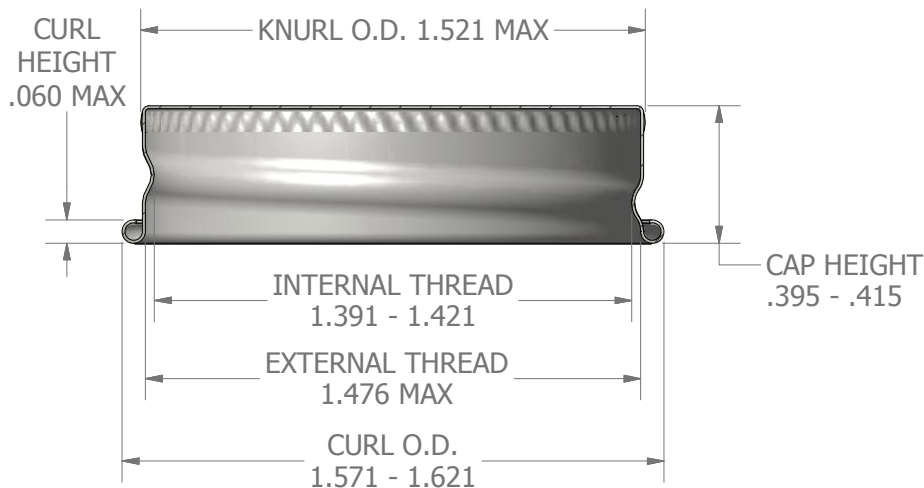


TOP
SCALE 2 : 1



SECTION A-A
SCALE 2 : 1

NOTES:

1. THE ACTUAL MAXIMUM AND MINIMUM INSIDE DIAMETER DIMENSIONS OF THE CAP AS MEASURED WITH DEVICES OTHER THAN A PLUG GAGE.
2. THE MAX & MIN INSIDE DIAMETER OF THE THREAD ARE DETERMINED BY ROUND MAX & MIN PLUG GAGES. THE CLOSURE SHOULD PERMIT ENTRY OF THE MIN GAGE AND NO ENTRY TO ENTRY WITH A SLIGHT DRAG ON THE MAX GAGE.
3. CLOSURE DIMENSIONS SHOWN ARE THOSE WHICH HAVE BEEN FOUND TO BE FUNCTIONAL, BASED ON INDUSTRY EXPERIENCE. BECAUSE OF VARIABILITY IN CLOSURE MATERIALS AND CONTAINER DIMENSIONS, EACH CLOSURE/CONTAINER SYSTEM SHOULD BE INDIVIDUALLY EVALUATED TO ENSURE IT MEETS APPLICABLE PERFORMANCE CRITERIA.
4. CLOSURES HAVING DIMENSIONS OUTSIDE THESE RANGES ARE ALSO APPROPRIATE FOR USE IF APPLICABLE PERFORMANCE CRITERIA ARE MET. PROPER FIT OR CLOSURE TO CONTAINER IS THE CONTROLLING REQUIREMENT.
5. THE MEASUREMENT TECHNIQUES OF HOW TO MEASURE, WHAT TO MEASURE, AND WHERE TO MEASURE CLOSURES SHOULD BE AGREED UPON BY THE CUSTOMER AND TECNOCAP LLC AND BE VERIFIED BY BOTH PARTIES THROUGH A STATISTICALLY VALID RELIABILITY AND REPEATABILITY (R&R) PROCEDURE.

DISCLAIMER

THIS INFORMATION IS PROVIDED AS A GENERAL GUIDE, INCLUDING DIMENSIONS. IT IS THE CUSTOMER'S RESPONSIBILITIES TO SELECT THE PROPER CONTAINER FOR PRODUCT AND APPLICATION COMPATIBILITY.

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REF NO.:

DWG31362

DESCRIPTION:

38-400 White Metal Screw Cap, Pulp & Poly Liner


TS-I (HD)

High-Density Polyethylene Liner

MRP Description -
(003)P/PE-TS-1.020 PL

TS-I (HD) is a primary liner that has white pigmented, high-density polyethylene, with a gloss finish, as the product contact surface. This liner provides reseal and good barrier to moisture, and moderate barrier to oxygen. TS-I (HD) is compatible with a wide range of products. This primary liner is most typically backed with pulp, but it is also available with paper or polystyrene backing. TS-I (HD) is available plain or waxed.

Structure

Material		Thickness* (Mils)	Thickness* (Microns)
Pulp	 <p>Product</p>	As specified	As specified
Bleached Kraft		3.2	81.3
High-Density Polyethylene		1.0	25.4
Total (add specified pulp thickness)		3.5**	88.9**

* The information listed reflects target values, and there will be variation in these values within acceptable industry standards ($\pm 10\%$).

** Note: The thickness of the total structure may not necessarily be the sum of the individual layers, and the total thickness reported is based upon actual measurements.

FDA Status

All components and the manufacture of this seal comply with the U.S. Federal Government's Code of Federal Regulations 21CFR177.1210, Closures with sealing gaskets for food containers. Information pertaining to Tech-Seal Products, Inc. and its products are entered into Drug Master File 14762.

Physical Properties

Appearance: Non-Product Side Product Side
 Matte Manila Gloss White

Pinholes (Qty/Yd²): < 6


Oxygen Transmission Rate (cc / 100 in² / 24 hr @ 23 °C, 0% R. H.): 120.0

Moisture Vapor Transmission Rate (g / 100 in² / 24 hr @ 100° F, 90% R.H.):< 1.0

Suggested Product Applications

Adhesives, ammonia, antacids, auto cleaners, bleaching agents, detergents, cosmetics, floor care products, hair care products, honey, hydrogen peroxide, laxatives, lemon juice, lime juice, mouthwash, pharmaceuticals, rubbing alcohol, salad dressing, shampoo, spices, spring water, suntan lotion, and window cleaners.

The products listed above are a partial listing of suitable applications for this product. This listing is provided as a reference for how this product may be used. However, the user is responsible for testing the suitability of this product for a specific application.

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