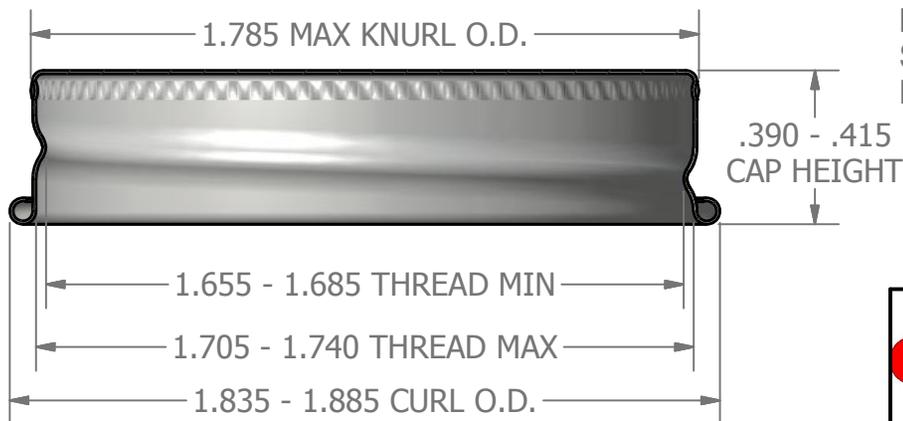


TOP  
SCALE 2 : 1



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.

		TITLE									
		CAP SPECIFICATION									
		CLASS									
		45 CT									
DRAWN BY	J COSTER	APPROVED BY	DATE	5/16/2013	FINISH	400	PANEL STYLE	001 FLAT			
MATERIAL	Steel	I.P.I.	6	PLUG GAGE MIN	1.650	PLUG GAGE MAX	1.670	SIZE	A	SHEET #	1
CONFORMS TO GPI & SPI SPECIFICATIONS AND STANDARDS TO PERFORM IN CONJUNCTION WITH CORRESPONDING CONTAINER AS INTENDED											
DRAWING IS PROPERTY OF TECNOCAP - ANY REPRODUCTION WITHOUT AUTHORIZATION IS FORBIDDEN								DRAWING NUMBER			
								1-CT-45-001			



# PRODUCT DATA SHEET

## HS 035 Heat Seal

### PRODUCT DESCRIPTION

**Description:** A paper-backed aluminum foil coated with a clear heat sealable coating blend of high molecular weight ethylene and vinyl acetate copolymers on the foil.

**FDA Status:** Complies with Federal Regulations of H.E.W., FDA, sections 175.105, 175.300, 176.170, 176.180, 177.1350, 178.3710, and 182.1. It is entered in SANCAP Liner's food master file FMF 166 and drug master file DMF 2518.

### RECOMMENDED STORAGE CONDITIONS

The material should be stored in well-ventilated area (temp. 60° - 80°F; RH – 40% - 60%). Material and lined closures are heat sensitive. Storage or shipping temperatures should not be in excess of 105°F. Curling, blocking, splitting, or foil separation may result. If material becomes chilled, it should be stored under the recommended conditions until stabilized. Avoid storing closure liner materials over 60 days. Metal foil is prone to corrosion.

### PHYSICAL AND CHEMICAL PROPERTIES

- |   |               |
|---|---------------|
| <b>1. Color</b>   | Aluminum      |
| <b>2. Thickness, mils</b>                                 |               |
| a) Overall  | 4.41 - 6.38   |
| b) Heat Seal Coating                                      | 1.50 - 3.00   |
| c) Aluminum Foil  | 0.31 - 0.38   |
| d) Paper  | 2.60 - 3.00   |
| <b>3. Basis Wt. Lbs./Ream 3000 ft.<sup>2</sup></b>        |               |
| a) Overall  | 67.30 - 94.90 |
| b) Heat Seal Coating                                      | 20.70 - 41.90 |
| c) Aluminum Foil  | 13.30 - 16.20 |
| d) Paper  | 33.30 - 36.80 |
| <b>4. Heat Seal Coating</b>                               |               |
| a) Melting Point °F                                       | 150 - 160     |
| b) Blocking Point °F                                      | 130 - 135     |
| <b>5. Gas Transmission: cc/cin<sup>2</sup>/24hrs/1atm</b> |               |
| a) Oxygen   | nil           |
| <b>6. Water Vapor Transmission</b>                        |               |
| a) gm/cin <sup>2</sup> /24hrs/100°F/90%RH                 | near zero     |

PRODUCT NAME: HS035 HEAT SEAL  
Rev. 050211

### SUGGESTED PRODUCT USES

Material is an induction heat sealable tamper indicating innerseal which can be used for over-the-counter drug products on Polyethylene, Glass\*, PET, PVC, Polystyrene, and Polypropylene.

**Dry Products**  
**Fruit Juices**  
**Milk**

**Glass Cleaner**  
**Peroxide**  
**Spices**

Product applications listed above are a partial listing and do not cover all suitable applications. These are suggestions for general categories and user must test for suitability for their specific product. Not suitable for products containing oil.

***\*Glass must be treated for proper adhesion.***

The technical information and suggestions for use made herein are based on SANCAP Liner research and experience and are believed to be reliable, but such information and suggestions do not constitute a warranty, and no patent liability can be assumed. Since SANCAP Liner has no control over the conditions under which the product is transported, stored, handled, used, or applied, buyer must determine for themselves, by preliminary tests or otherwise, the suitability of the product for their purposes. All products are sold subject to SANCAP Liner's written warranty, which is in lieu of all other warranties or merchantability and fitness for a particular purpose. SANCAP Liner's liability on any basis is limited to the price of the product used.