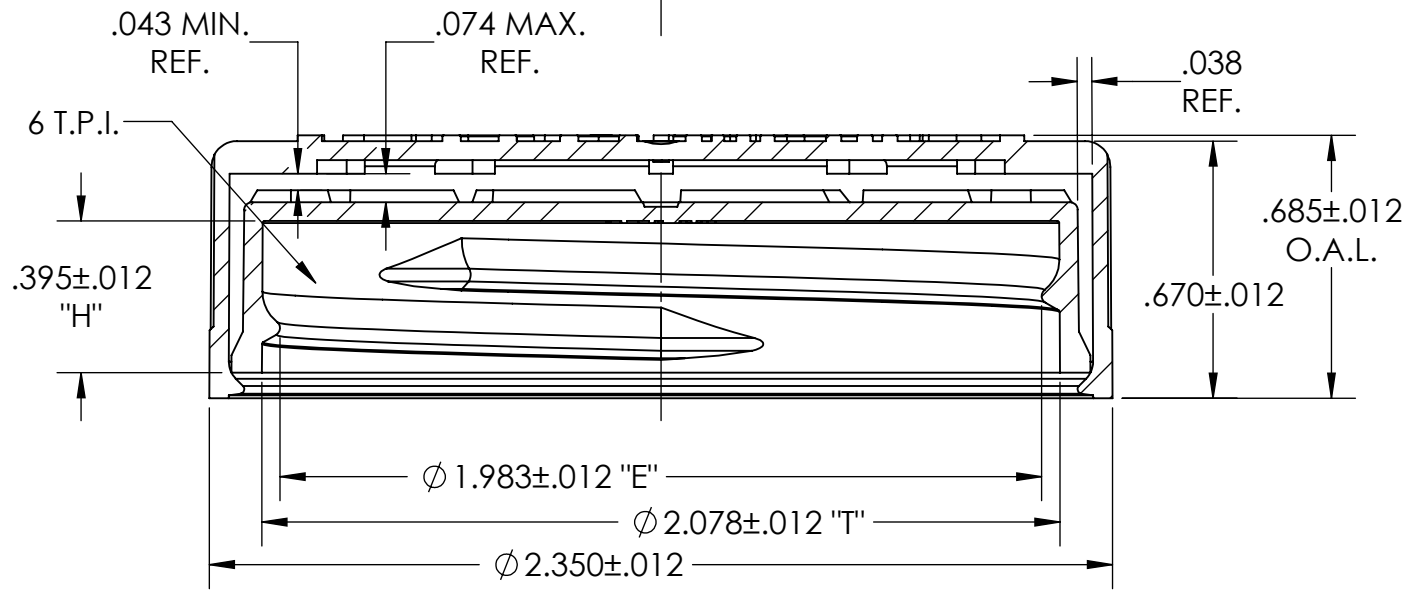


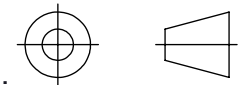
ISOMETRIC VIEW
ACTUAL SIZE



SECTION C-C

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All dimensions in inches. General tolerances according to DIN 16901.



| REVISIONS | | | | |
|-----------|--------------|----------|-----------|----------|
| REV. | DESCRIPTION | AUTHOR | DATE | APPROVED |
| | ORIGINAL | SL | 4/13/19 | B. KLOTZ |
| 1 | CORRECTED OD | B. KLOTZ | 12/7/2020 | B. KLOTZ |



ORANGE PRODUCTS Inc.
1929 Vultee St,
Allentown, PA, 18103
www.orangeproducts.com

Part name:
53mm-400 CRC

Project name:
53mm-400 CRC

Material:
PP

Weight:
13.46 ±1.5 gr.

Designed by:
S. LOUKOV

Approved by:
B. KLOTZ

| | | | |
|---|---|---|---|
| <input checked="" type="checkbox"/> INF Issued for Information | <input type="checkbox"/> IFA Issued for Approval | <input type="checkbox"/> IFC Issued for Construction | <input type="checkbox"/> IFP Issued for Production |
|---|---|---|---|

| Scale | Size | Drawing number | Rev. | Date |
|-------|------|------------------|------|----------|
| 2:1 | B | 16382PD-53mm CRC | 1 | 12/28/20 |

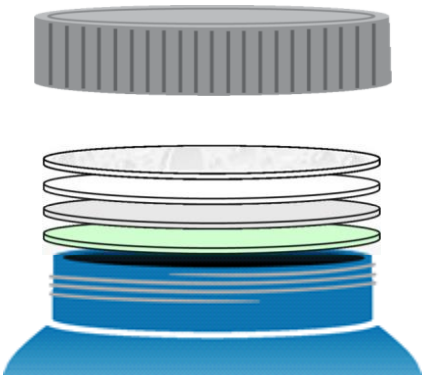
PRODUCT DATA SHEET

HS035/20F

- HS035/20F is a one-piece, polystyrene backed, induction heat seal with an ethylene vinyl acetate based sealant layer that gives a tamper evident bond to Polyethylene (PE), Polypropylene (PP), Polyester (PET), Polystyrene (PS), Vinyl (PVC) and glass containers.
- Available with standard or custom print.

Typical Product Attributes

Construction

| |  | SI (µm) | US (Mils) |
|---------------------|---|-------------|-------------|
| Polystyrene Foam | | 508,0 | 20.0 |
| Paper | | 71,1 | 2.8 |
| Aluminum Foil | | 8,9 | 0.35 |
| Heat Seal | | 38,1 - 76,2 | 1.5 - 3.0 |
| Thickness Tolerance | | ± 10% | ± 10% |
| Minimum Width | | 25,4 mm | 1.0 in |
| Width Tolerance | | ± 1,6 mm | ± 0.0625 in |

Properties

| | |
|---|------------------|
| Oxygen Transmission (O ₂ TR) | Essentially Zero |
| Water Vapor Transmission (WVTR) | Essentially Zero |

Regulatory Compliance

| | |
|------------------------|---|
| FDA Compliance | 21 CFR 177.1640 Polystyrene and rubber-modified polystyrene. 21 CFR 177.1350 Ethylene-vinyl acetate copolymers. 21 CFR 177.1210 Closures with sealing gaskets for food containers 21 CFR 176.180 Components of paper and paperboard in contact with dry foods. 21 CFR 176.170 Components of paper and paperboard in contact with aqueous and fatty foods. |
| Drug Master File (DMF) | 002518 |
| Other Compliances | USFDA Food Allergen Guidelines; California Proposition 65 Labeling Requirements; Limitations of Heavy Metals in Packaging per CONEG & EU 94/62/EC, Article 11 |

Please note that construction does not reflect adhesive or resin bonding layers, if present.

Revision Number: 2
Revised Date: 2017-05-19



FoilSeal™ Technical Data Sheet

.020" PS Foam FS 5-8

Revision: FS58-05062020

| Product | .020" PS Foam FS 5-8 | | | | | | | | | | | | | | | | | |
|---|--|----------|----------|--------|---------|-------|---------|-------|-------|----------|------|--------|----------|-----------|--------|----------|--|--|
| Scope | One piece foam backed heat induction foil inner seal which will provide a tamper-evident bond to PE, PS, PET, PVC, PP and treated glass containers. It is recommended for use with dry and semi-liquid products not containing essential oils. FS 5-8 is an alternative to FS 5-4. | | | | | | | | | | | | | | | | | |
| Composition | <table border="1"> <thead> <tr> <th>Material</th> <th>Standard</th> <th>Metric</th> </tr> </thead> <tbody> <tr> <td>Backing</td> <td>.020"</td> <td>.508 mm</td> </tr> <tr> <td>Paper</td> <td>.002"</td> <td>.0508 mm</td> </tr> <tr> <td>Foil</td> <td>.0003"</td> <td>.0076 mm</td> </tr> <tr> <td>Heat Seal</td> <td>.0015"</td> <td>.0381 mm</td> </tr> </tbody> </table> | Material | Standard | Metric | Backing | .020" | .508 mm | Paper | .002" | .0508 mm | Foil | .0003" | .0076 mm | Heat Seal | .0015" | .0381 mm | | |
| Material | Standard | Metric | | | | | | | | | | | | | | | | |
| Backing | .020" | .508 mm | | | | | | | | | | | | | | | | |
| Paper | .002" | .0508 mm | | | | | | | | | | | | | | | | |
| Foil | .0003" | .0076 mm | | | | | | | | | | | | | | | | |
| Heat Seal | .0015" | .0381 mm | | | | | | | | | | | | | | | | |
| Adhesive or resin bonding layers not shown. | | | | | | | | | | | | | | | | | | |
| FDA Status: 21 CFR 177.1210 | Recommended Storage and Handling: Refer to Website. | | | | | | | | | | | | | | | | | |
| Drug Master File (DMF): #4544 | EU / EP Reg.: Compliant with Reg. EC/10/2011, Reg. EC/1935/2004 and Reg. EC/2023/2006, as amended, for use with dry, non-fatty, and non-alcoholic food products only. If used incorrectly, the liner may have an effect on the organoleptic properties of the product under EC/1935/2004 Article 3 and EC/2023/2006 Article 3a | | | | | | | | | | | | | | | | | |
| GTR Oxygen: Essentially Zero | MVTR: Essentially Zero | | | | | | | | | | | | | | | | | |
| Sealing to glass containers: Selig can not guarantee the performance or seal integrity of this materials when applied to any glass (treated or untreated) container. We suggest you contact your glass supplier for recommendations on glass treatments that may or may not improve performance or seal integrity. | | | | | | | | | | | | | | | | | | |
| Print Location (if any): Heat Seal Layer and/or Backing | | | | | | | | | | | | | | | | | | |

Selig materials are compliant with current USFDA Food allergen Guidelines.

Selig materials are compliant with California Proposition 65 labeling requirements.

Selig materials are compliant with limitation of heavy metals in packaging per CONEG & EU 94/62/EC, article 11.

Recommended for use with dry food products. Is not suitable for use with fatty or alcoholic food types per ECC Reg. № 10/2011. Determining specific organoleptic compatibility per Article 3a of ECC Reg. № 2023/2006 is the responsibility of the food packager.

MSDS's are not required as Selig is not a chemical manufacturer or distributor and our products are 'articles' intended for food packaging per 29 CFR 1910.1200 (HazCom).

The information contained within this product data bulletin is to be used as a general guide in determining which structures are offered for sealing to specific container materials. All of the information which we provide is reliable to the best of our knowledge, but the accuracy thereof is not guaranteed. We suggest that consumers determine suitability for their own application.