

Represented by



**ILLING**<sup>TM</sup>  
P A C K A G I N G

## Product Specification Sheet

Illing Part#

3624BTG

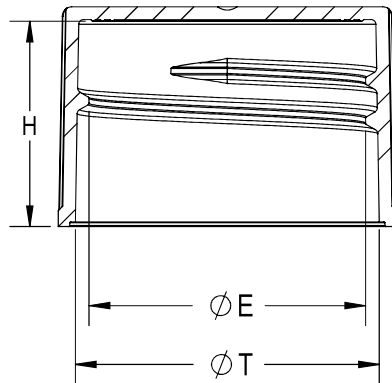
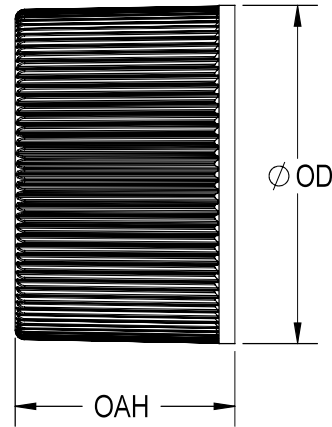
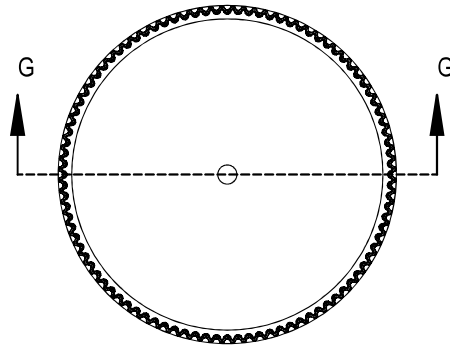
# RL24 BLK TOP GATE CAP GROOVED FOAM

Part #: 3624BTG

|                  |                  |
|------------------|------------------|
| Size:            | 24-410           |
| Color:           | Black            |
| Material:        | PP               |
| Style:           | Gate Cap Grooved |
| Additional Info: | Ribbed Sides     |
| Case Pack:       | 4,000 each       |
| Pallet Pack:     | 140,000 each     |



[www.illingpackaging.com](http://www.illingpackaging.com)



SECTION G-G

THREAD INFORMATION  
 8 THREADS PER INCH, .125 PITCH  
 1 1/4 TURNS FROM THREAD START

| REFERENCE   | TOLERANCE     | DIMENSION     | UNITS   |
|-------------|---------------|---------------|---------|
| E           | ±0.010 [0.25] | 0.868 [22.05] | in [mm] |
| T           | ±0.010 [0.25] | 0.955 [24.26] | in [mm] |
| H           | ±0.010 [0.25] | 0.640 [16.26] | in [mm] |
| OAH         | ±0.010 [0.25] | 0.690 [17.53] | in [mm] |
| OD          | ±0.010 [0.25] | 1.060 [26.92] | in [mm] |
| PART WEIGHT | ± 0.20        | 2.00          | g       |

STATIC TORQUE RECOMMENDATION  
 10-18 in-lbs  
 THIS REQUIREMENT MAY VARY DEPENDING  
 UPON BOTTLE MATERIAL, NECK FINISH, AND  
 CAPPING EQUIPMENT

DRAWING TYPE : CUSTOMER

REPLACES DRAWINGS:

C-8029

DIMENSIONS ENCLOSED IN ( )  
 INDICATE REFERENCE  
 DIMENSIONS AND NO TOLERANCE  
 LIMITS ARE ESTABLISHED

TOLERANCES UNLESS OTHERWISE SPECIFIED

| DIMENSION (inches) | TOLERANCE | DIMENSION (mm) | TOLERANCE |
|--------------------|-----------|----------------|-----------|
| 0-0.787            | ±0.006    | 0-20           | ±0.152    |
| 0.788-1.181        | ±0.008    | 21-30          | ±0.203    |
| 1.182-2.756        | ±0.012    | 31-70          | ±0.305    |
| 2.757-3.937        | ±0.016    | 71-100         | ±0.406    |
| 3.938-5.096        | ±0.020    | 101-150        | ±0.508    |
| 5.097-7.874        | ±0.024    | 151-200        | ±0.610    |
| 7.875-9.843        | ±0.032    | 201-250        | ±0.813    |

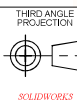
ANGULAR TOLERANCE ± 2°

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THE CLOSURE DIMENSIONS  
 DEPICTED ARE THOSE WHICH HAVE GENERALLY BEEN  
 FOUND TO BE FUNCTIONAL BASED ON INDUSTRY  
 EXPERIENCE BECAUSE OF VARIABILITY IN GLASS AND  
 PLASTIC CONTAINER FINISHES. EACH CLOSURE/FINISH  
 SYSTEM SHOULD BE INDIVIDUALLY EVALUATED AND  
 TESTED TO ENSURE IT MEETS APPLICABLE  
 PERFORMANCE CRITERIA. SEE QUALITY ASSURANCE  
 SPECIFICATIONS FOR ADDITIONAL INFORMATION.

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SOLIDWORKS

DISTRIBUTION  
 CODE  
**D**

DRAWING NAME  
 24-410 CT  
 RL (RIBBED SIDES, MATTE TOP)  
 DRAWING NUMBER  
 CQA - 10006

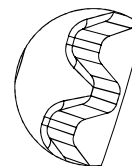
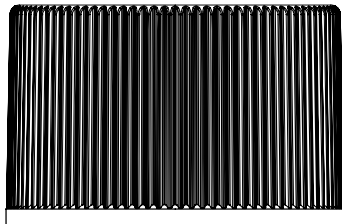
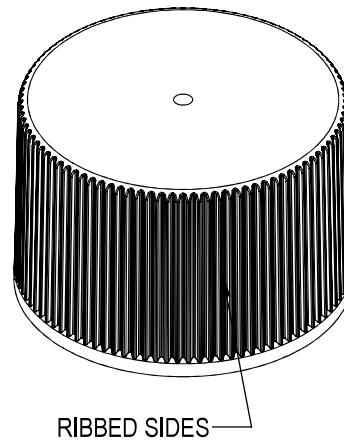
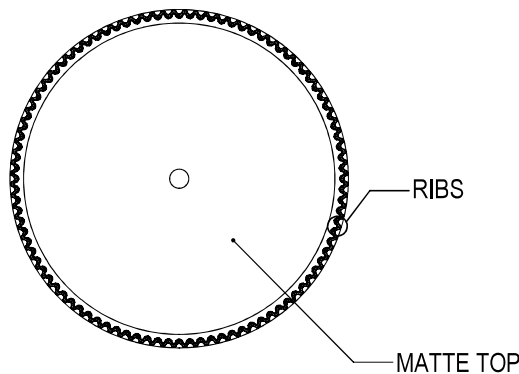
DRAWN BY. DAS 3/17/2017  
 ENG APPR. BDG 4/9/2018  
 QA APPR. REL 04/13/2018

MATERIAL  
 POLYPROPYLENE  
 MODEL NUMBER:  
 PM 10724 24-410 CT

SCALE  
 2:1  
 SHEET SIZE  
 11in\*17in  
 SHEET  
 1 of 3  
 REV.NP  
 01.AD



| REVISIONS |      |     |                                                                                                                                   |     |     |
|-----------|------|-----|-----------------------------------------------------------------------------------------------------------------------------------|-----|-----|
| DATE      | REV. | N/P | DESCRIPTION                                                                                                                       | ENG | DRW |
| 02/07/14  | 01   | AA  | DRAWING CREATED                                                                                                                   | LGF | LGF |
| 11/04/14  | 01   | AB  | UPDATED AS MOLDED (24101) DATA FROM 02/06/14 AND HISTORICAL DATA FROM 24007, ADDED OBOSLETE NOTE, REVISED RECOMMENDED NECK FINISH | LMB | LMB |
| 04/27/16  | 01   | AC  | UPDATED DRAWING FORMAT                                                                                                            | BDG | DAS |
| 04/05/18  | 01   | AD  | CORRECTED RECOMMENDED NECK FINISH MODEL. SHEET 1 H DIMENSION CHANGED ORIGIN TO INSIDE CAP                                         | BDG | DAS |



DETAIL RIBS  
SCALE 16 : 1

THE CLOSURE DIMENSIONS DEPICTED ARE THOSE WHICH HAVE GENERALLY BEEN FOUND TO BE FUNCTIONAL BASED ON INDUSTRY EXPERIENCE BECAUSE OF VARIABILITY IN GLASS AND PLASTIC CONTAINER FINISHES. EACH CLOSURE/FINISH SYSTEM SHOULD BE INDIVIDUALLY EVALUATED AND TESTED TO ENSURE IT MEETS APPLICABLE PERFORMANCE CRITERIA. SEE QUALITY ASSURANCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

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DRAWING TYPE : CUSTOMER

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ANGULAR TOLERANCE ± 2°

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DISTRIBUTION CODE  
**D**

DRAWING NAME  
**24-410 CT**  
**RL (RIBBED SIDES, MATTE TOP)**

DRAWING NUMBER  
**CQA - 10006**

DRAWN BY, DAS 3/17/2017

ENG APPR, BDG 4/9/2018

QA APPR, REL 04/13/2018

MATERIAL  
**POLYPROPYLENE**

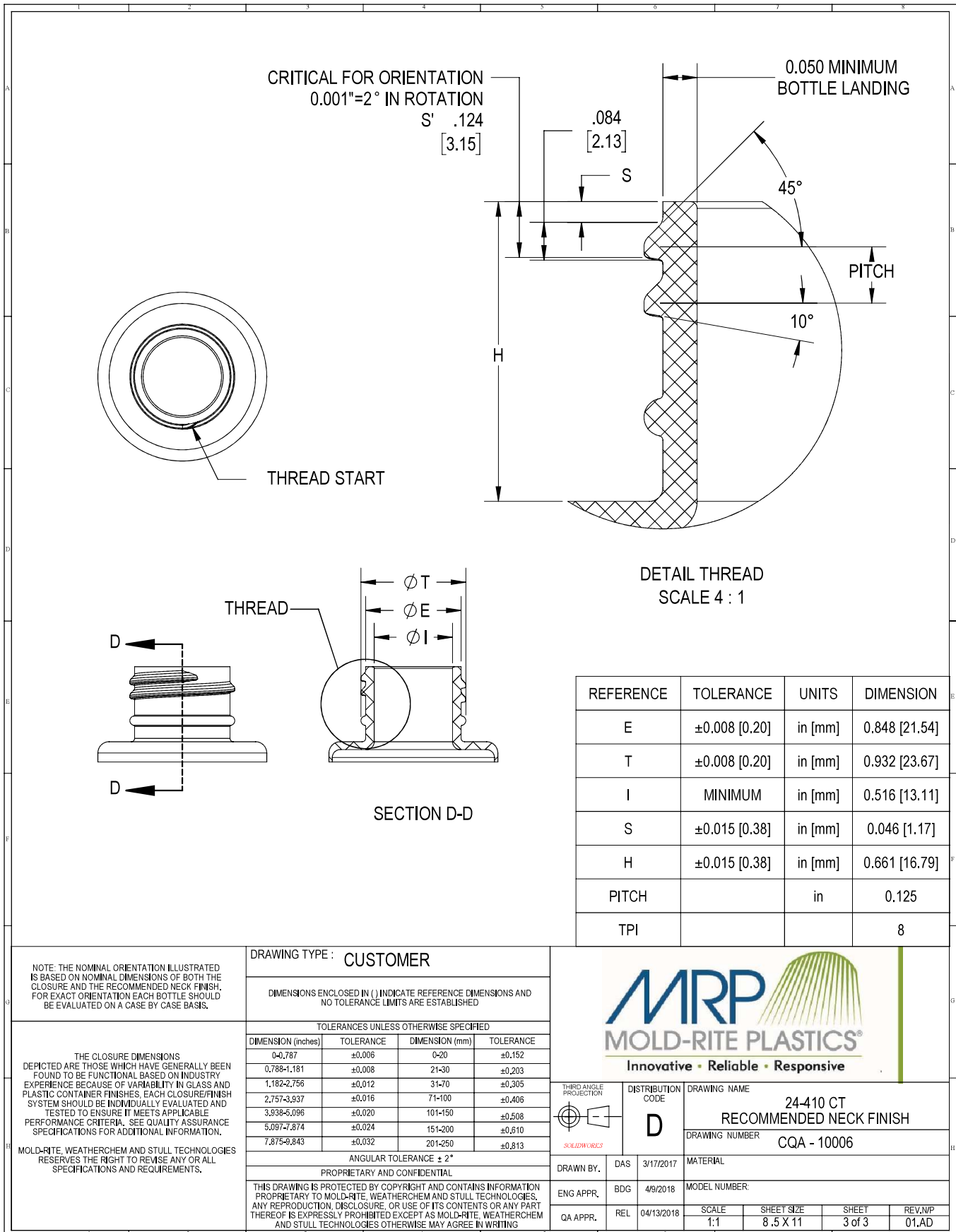
MODEL NUMBER:  
**PM 10724 24-410 CT**

SCALE  
**2:1**

SHEET SIZE  
**8.5" X 11"**

SHEET  
**2 of 3**

REV.NP  
**01.AD**



Represented by



# Product Specification Sheet

Illing Part#

3624BTG

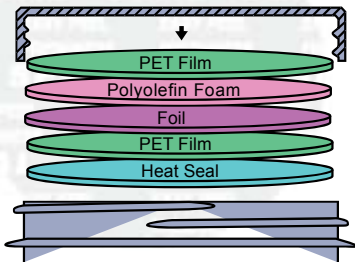


Freshness and Protection for Today's Packaging

## Uni-Gard™ Technical Data Sheet ISPE U10

Revision: ISPE U10-07252013

MRP DESCRIPTION: (ISA)ISPE.013 PL

| Product                                                                                     | ISPE U10                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                               |          |        |          |         |         |                 |        |         |      |        |         |          |         |         |           |         |         |                                                                                     |  |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------|--------|----------|---------|---------|-----------------|--------|---------|------|--------|---------|----------|---------|---------|-----------|---------|---------|-------------------------------------------------------------------------------------|--|
| Scope                                                                                       | One piece foam backed heat induction foil innerseal that will provide a tamper evident welded seal to PE containers.                                                                                                                                                                                                                                                                                        |                                                                                               |          |        |          |         |         |                 |        |         |      |        |         |          |         |         |           |         |         |                                                                                     |  |
| Composition                                                                                 | <table><thead><tr><th>Material</th><th>Standard</th><th>Metric</th></tr></thead><tbody><tr><td>PET Film</td><td>0.0005"</td><td>0.013mm</td></tr><tr><td>Polyolefin Foam</td><td>0.009"</td><td>0.229mm</td></tr><tr><td>Foil</td><td>0.001"</td><td>0.025mm</td></tr><tr><td>PET Film</td><td>0.0005"</td><td>0.013mm</td></tr><tr><td>Heat Seal</td><td>0.0015"</td><td>0.038mm</td></tr></tbody></table> | Material                                                                                      | Standard | Metric | PET Film | 0.0005" | 0.013mm | Polyolefin Foam | 0.009" | 0.229mm | Foil | 0.001" | 0.025mm | PET Film | 0.0005" | 0.013mm | Heat Seal | 0.0015" | 0.038mm |  |  |
|                                                                                             | Material                                                                                                                                                                                                                                                                                                                                                                                                    | Standard                                                                                      | Metric   |        |          |         |         |                 |        |         |      |        |         |          |         |         |           |         |         |                                                                                     |  |
| PET Film                                                                                    | 0.0005"                                                                                                                                                                                                                                                                                                                                                                                                     | 0.013mm                                                                                       |          |        |          |         |         |                 |        |         |      |        |         |          |         |         |           |         |         |                                                                                     |  |
| Polyolefin Foam                                                                             | 0.009"                                                                                                                                                                                                                                                                                                                                                                                                      | 0.229mm                                                                                       |          |        |          |         |         |                 |        |         |      |        |         |          |         |         |           |         |         |                                                                                     |  |
| Foil                                                                                        | 0.001"                                                                                                                                                                                                                                                                                                                                                                                                      | 0.025mm                                                                                       |          |        |          |         |         |                 |        |         |      |        |         |          |         |         |           |         |         |                                                                                     |  |
| PET Film                                                                                    | 0.0005"                                                                                                                                                                                                                                                                                                                                                                                                     | 0.013mm                                                                                       |          |        |          |         |         |                 |        |         |      |        |         |          |         |         |           |         |         |                                                                                     |  |
| Heat Seal                                                                                   | 0.0015"                                                                                                                                                                                                                                                                                                                                                                                                     | 0.038mm                                                                                       |          |        |          |         |         |                 |        |         |      |        |         |          |         |         |           |         |         |                                                                                     |  |
| Composition does not include adhesive or resin bonding layers (if any).                     |                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                               |          |        |          |         |         |                 |        |         |      |        |         |          |         |         |           |         |         |                                                                                     |  |
| FDA Status: 21 CFR 177.1210, USP 35/NF30 <661> Physiochemical Tests Plastics (sealant film) |                                                                                                                                                                                                                                                                                                                                                                                                             | Recommended Storage and Handling: Refer to website                                            |          |        |          |         |         |                 |        |         |      |        |         |          |         |         |           |         |         |                                                                                     |  |
| Drug Master File (DMF): 11485                                                               |                                                                                                                                                                                                                                                                                                                                                                                                             | EU / EP Reg.: European Pharmacopoeia Supplement 2002 Section 3.1.3 Polyolefins (sealant film) |          |        |          |         |         |                 |        |         |      |        |         |          |         |         |           |         |         |                                                                                     |  |
| GTR Oxygen: Essentially zero                                                                |                                                                                                                                                                                                                                                                                                                                                                                                             | MVTR: Essentially zero                                                                        |          |        |          |         |         |                 |        |         |      |        |         |          |         |         |           |         |         |                                                                                     |  |
| Print Location (if any): Top layer of PET film                                              |                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                               |          |        |          |         |         |                 |        |         |      |        |         |          |         |         |           |         |         |                                                                                     |  |

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.

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.

www.seligsealing.com

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Fax: +41 (0) 44 851 50 51

