

Represented by



ILLINGTM
P A C K A G I N G

Product Specification Sheet

Illing Part#

3679W

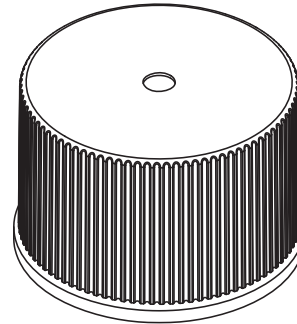
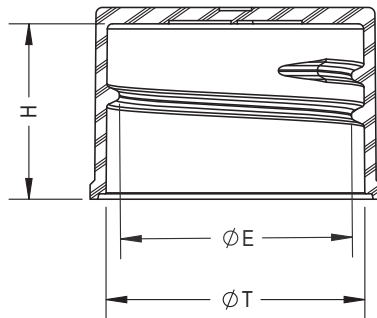
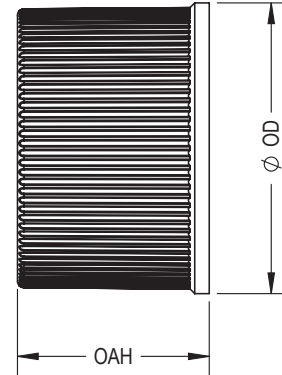
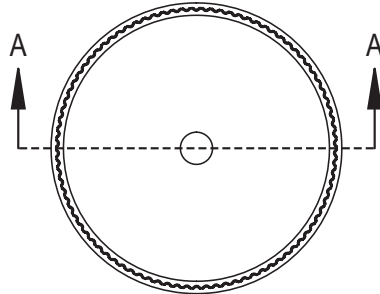
20-410 WHITE PP RIBBED SIDES MATTE TOP CAP W/ F-217 FOAM LINER

Part #: 3679W

Size:	20-410 NECK
Color:	WHITE
Material:	PP
Style:	RIBBED SIDES MATTE TOP CAP
Additional Info:	W/ F-217 FOAM LINER
Case Pack:	6,800 / EACH
Pallet Pack:	238,000 / EACH



www.illingpackaging.com



SECTION A-A

STATIC TORQUE RECOMMENDATION: 8-12in-lbs
 REQUIREMENT MAY VARY DEPENDING UPON CONTAINER MATERIAL,
 NECK FINISH, AND CAPPING EQUIPMENT

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

DIMENSIONS PRECEDED BY AN *** INDICATE THE DIMENSION IS
 PROCESS SENSITIVE. PROCESS SENSITIVE DIMENSIONS ARE
 VERIFIED TO BE WITHIN THE TOLERANCE LIMITS DURING THE
 PRODUCTION RUN. ALL REMAINING DIMENSIONS ARE VERIFIED AT
 PRODUCTION VALIDATION.

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THE PART DIMENSIONS DEPICTED ARE THOSE WHICH HAVE GENERALLY BEEN FOUND TO BE FUNCTIONAL BASED ON INDUSTRY EXPERIENCE.
 BECAUSE OF VARIABILITY IN CONTAINER FINISHES, EACH CLOSURE/FINISH SYSTEM SHOULD BE INDIVIDUALLY EVALUATED AND TESTED TO
 ENSURE IT MEETS APPLICABLE PERFORMANCE CRITERIA.

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REFERENCE	DIMENSION	TOLERANCE	UNITS
E	0.720 [18.29]	±0.007 [0.18]	in [mm]
T	0.803 [20.40]	±0.007 [0.18]	in [mm]
H	0.540 [13.72]	±0.006 [0.15]	in [mm]
OAH	0.595 [15.11]	±0.007 [0.18]	in [mm]
OD	0.902 [22.91]	±0.008 [0.20]	in [mm]
PART WEIGHT	1.30	±0.20	g
THREAD DETAIL INFORMATION:	# THREADS PER INCH	0.000" [X.XX] PITCH	000° FULL DEPTH THREADS
DRAWN BY:	LMB	3/26/2014	DWG SIZE: 8.5" x 11"
ENG APPR:	LES	9/27/2022	SCALE: 2:1 & NOTED
QA APPR:	TEM	09/27/2022	SHEET: 1 OF 3



DRAWING TITLE:

20-410 CT RL
 RL

MATERIAL: POLYPROPYLENE

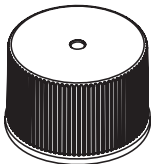
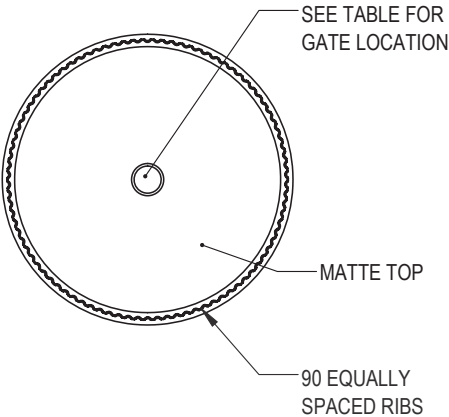
DRAWING TYPE: CUSTOMER DISTRIBUTION CODE: D

REPLACES DRAWINGS: (DRAWING REPLACED)

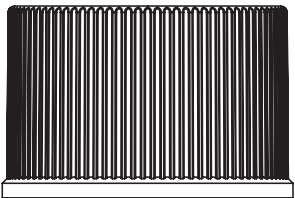
MODEL NUMBER: PM 11282 20-410 CT_RL

DWG SIZE: 8.5" x 11" DRAWING NUMBER: REVISION:

2:1 & NOTED 1 OF 3 CQA-10016 02.AE



SCALE 1:1

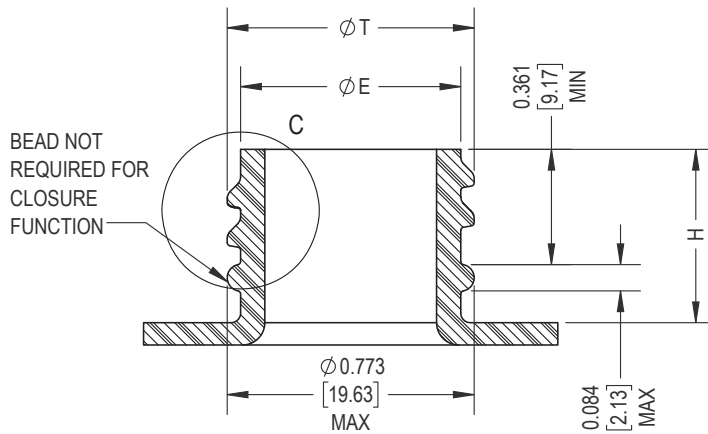
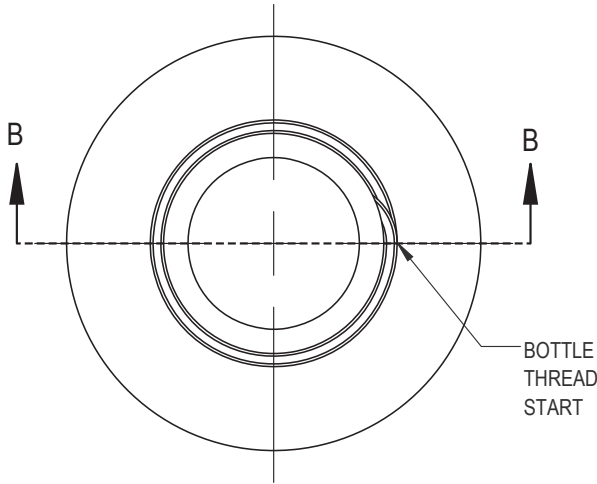


MOLD NUMBER	GATE LOCATION
20102	TOP
20103	TOP

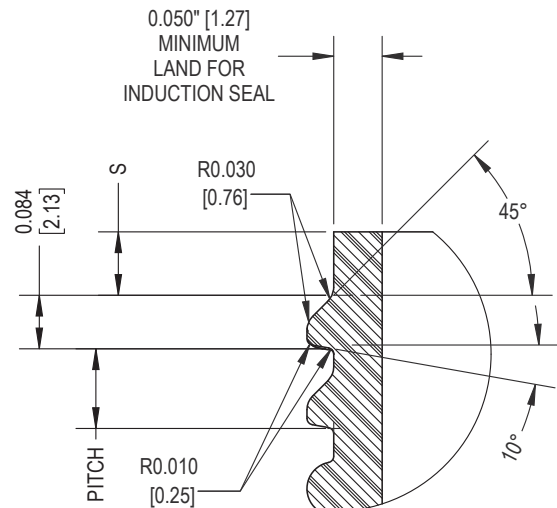
DIMENSIONS ENCLOSED IN () INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED	DATE	REV	N/P	DESCRIPTION	ENG	DRW
PROPRIETARY AND CONFIDENTIAL THIS DRAWING IS PROTECTED BY COPYRIGHT AND CONTAINS INFORMATION PROPRIETARY TO MOLD-RITE PLASTICS AND ITS SUBSIDIARIES. ANY REPRODUCTION, DISCLOSURE, OR USE OF ITS CONTENTS OR ANY PART THEREOF IS EXPRESSLY PROHIBITED EXCEPT AS MOLD-RITE PLASTICS AND ITS SUBSIDIARIES OTHERWISE MAY AGREE IN WRITING	02/26/2019	02	AC	DRAWING UPDATED TO REFLECT HISTORICAL DATA & PROCESS CAPABILITY. NO CHANGES TO THE STEEL OR PART HAVE OCCURRED	BDG	AMK
	09/26/2022	02	AD	UPDATE DRAWING FORMAT & MOLD LIST	LES	LES
	07/12/2023	02	AE	UPDATED DRAWING LOGO	BDG	BDG
THE PART DIMENSIONS DEPICTED ARE THOSE WHICH HAVE GENERALLY BEEN FOUND TO BE FUNCTIONAL BASED ON INDUSTRY EXPERIENCE BECAUSE OF VARIABILITY IN CONTAINER FINISHES, EACH CLOSURE/FINISH SYSTEM SHOULD BE INDIVIDUALLY EVALUATED AND TESTED TO ENSURE IT MEETS APPLICABLE PERFORMANCE CRITERIA. MOLD-RITE PLASTICS AND ITS SUBSIDIARIES RESERVE THE RIGHT TO REVISE ANY OR ALL SPECIFICATIONS AND REQUIREMENTS.						
REVISION HISTORY						
REVISIONS: REV: A PHYSICAL CHANGE TO THE PART IMPACTING FIT, FORM OR FUNCTION N/P: DRAWING OR SPECIFICATION CHANGE ONLY						



DRAWING TITLE: 20-410 CT RL RL			
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DWG SIZE: 8.5" x 11"	DRAWING NUMBER:	REVISION:	
SCALE: 2:1 & NOTED	SHEET: 2 OF 3	CQA-10016	02.AE



SECTION B-B



DETAIL C
SCALE 4 : 1
THREAD DETAIL

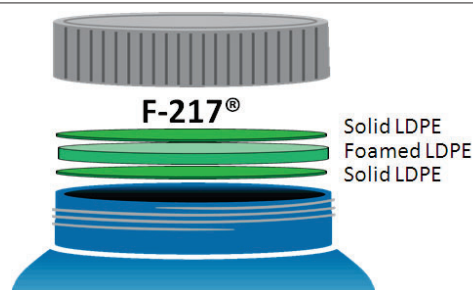
RECOMMENDED NECK FINISH IS DETERMINED FOR PROPER FUNCTIONAL PERFORMANCE WITH MOLD-RITE CLOSURE. USE OF MOLD-RITE CLOSURE WITH CONTAINER NOT MATCHING RECOMMENDED NECK FINISH SHOULD BE TESTED AND CONFIRMED FOR APPLICATION BY THE USER.	
NOMINAL ORIENTATION OF CLOSURE (IF INDICATED) IS BASED ON NOMINAL DIMENSIONS OF BOTH CLOSURE AND RECOMMENDED NECK FINISH. FOR EXACT ORIENTATION, EACH CONTAINER SHOULD BE EVALUATED ON A CASE BY CASE BASIS.	
DIMENSIONS ENCLOSED IN () INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED	
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THE PART DIMENSIONS DEPICTED ARE THOSE WHICH HAVE GENERALLY BEEN FOUND TO BE FUNCTIONAL BASED ON INDUSTRY EXPERIENCE. BECAUSE OF VARIABILITY IN CONTAINER FINISHES, EACH CLOSURE-FINISH SYSTEM SHOULD BE INDIVIDUALLY EVALUATED AND TESTED TO ENSURE IT MEETS APPLICABLE PERFORMANCE CRITERIA.	
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NECK FINISH DIMENSIONS ASSUME ZERO THICKNESS (NO) LINER			
REFERENCE	DIMENSION	TOLERANCE	UNITS
ϕE	0.691 [17.55]	$\pm 0.008 [0.20]$	in [mm]
ϕT	0.775 [19.69]	$\pm 0.008 [0.20]$	in [mm]
H	0.546 [13.87]	MINIMUM	in [mm]
S	0.037 [0.94]	$\pm 0.015 [0.38]$	in [mm]
THREADS PER INCH	8		
PITCH	0.125 [3.18]		in [mm]

DRAWING TITLE:	
20-410 CT RL	
RL	
RECOMMENDED NECK FINISH	
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DWG SIZE: 8.5" x 11"	DRAWING NUMBER: CQA-10016
SCALE: 2:1 & NOTED	REVISION: 02.AE


TRI-SEALTM **PRODUCT DATA SHEET**


- This data sheet describes F-217® products
- This product is a three-ply co-extruded liner consisting of a foamed Low Density Polyethylene (LDPE) core sandwiched between two layers of solid Low Density Polyethylene



MRP Description - (024)F217.035 PL

Typical Product Attributes
Construction

Structure	Solid LDPE / Foamed LDPE / Solid LDPE	Solid LDPE / Foamed LDPE / Solid LDPE
Color	White or as Specified	White or as Specified
Density		
for 20 ~ 30 mil (0,51 ~ 0,76 mm)	0,48 ± 0,03 g / cm ³	30 ± 2 lbs / ft ³
for 35 ~ 125 mil (0,89 ~ 3,18 mm)	0,40 ± 0,03 g / cm ³	25 ± 2 lbs / ft ³
Thickness Tolerance		
for 20 ~ 60 mil (0,51 ~ 1,52 mm)	± 0,127 mm	± 5 mil
for 65 ~ 90 mil (1,65 ~ 2,29 mm)	± 0,178 mm	± 7 mil
for 95 ~ 125 mil (2,41 ~ 3,18 mm)	± 0,254 mm	± 10 mil
Available Width		
for 20 ~ 60 mil (0,51 ~ 1,52 mm)	22,2 ~ 1016,0 mm	7/8 ~ 40 inch
for 65 ~ 125 mil (1,65 ~ 3,18 mm)	25,4 ~ 228,6 mm	1 ~ 9 inch
Width tolerance	± 1,6 mm	± 1/16 inch

Regulatory Compliance

FDA Compliance	21 CFR 177.1520 (Olefin Polymers) 21 CFR 177.1210 (Closures with Sealing Gaskets for Food Containers) 21 CFR 175.300 (Resinous and Polymeric Coatings)
Drug Master File (DMF)	2434
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

Original Date: 08/05/1997
 Revised Date: 01/31/2011
 Revision Number: 5
 Revised by SR

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