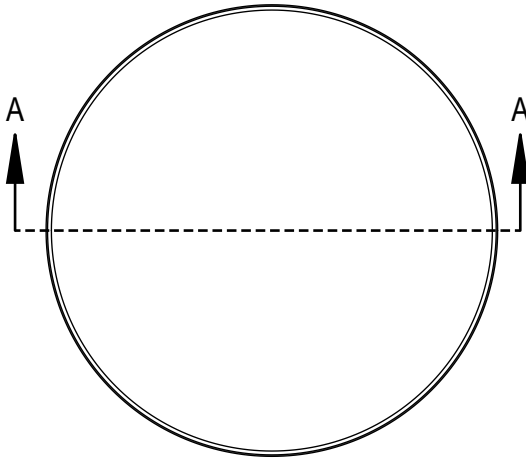
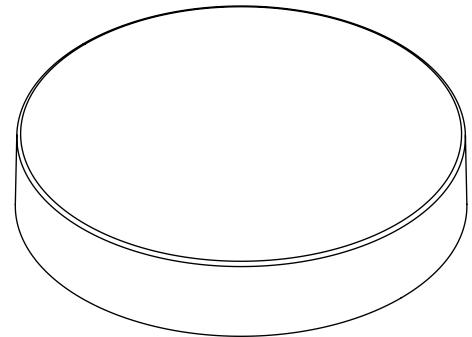


SECTION A-A



STATIC TORQUE RECOMMENDATION: 23-40in-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

Ø E

2.138 [54.30]

±0.015 [0.38]

in [mm]

Ø T'

2.235 [56.77]

±0.015 [0.38]

in [mm]

H

0.400 [10.16]

±0.010 [0.25]

in [mm]

OAH

0.459 [11.65]

±0.012 [0.30]

in [mm]

OD

2.344 [59.54]

±0.015 [0.38]

in [mm]

PART WEIGHT

5.80

± 1.50

g

THREAD DETAIL
INFORMATION:

6 THREADS
PER INCH

0.167" [4.24] PITCH

415°

FULL DEPTH
THREADS

DRAWN BY: DAS

6/3/2016

ENG APPR: LES

7/17/2023

QA APPR: HW

07/18/2023



DRAWING TITLE:

58-400 CT CLOSURE
S (SMOOTH SIDE, SMOOTH TOP)

MATERIAL: POLYPROPYLENE

DRAWING TYPE: CUSTOMER

DISTRIBUTION CODE: D

REPLACES DRAWINGS: C-1013

MODEL NUMBER: PM 10988 58-400 CT

DWG SIZE: 8.5" x 11"

DRAWING NUMBER:

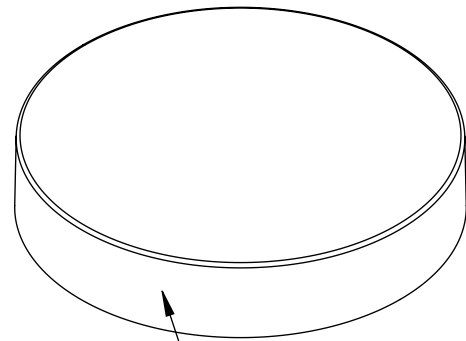
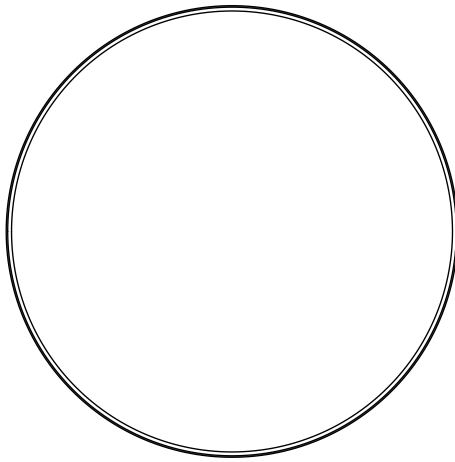
REVISION:

SCALE: 1:1

SHEET: 1 OF 3

CQA-10746

00.AB



GATE LOCATION



SMOOTH TOP
SMOOTH SIDES

DIMENSIONS ENCLOSED IN () INDICATE
REFERENCE DIMENSIONS AND NO
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INDUSTRY EXPERIENCE
BECAUSE OF VARIABILITY IN CONTAINER
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EVALUATED AND TESTED TO
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PERFORMANCE CRITERIA.

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AND REQUIREMENTS.

07/17/2023	00	AB	UPDATE DRAWING FORMAT & LOGO. UPDATED RNF "H" TO AVOID INTERFERENCE.	LES	LES
05/11/2018	00	AA	DRAWING UPDATED TO REFLECT HISTORICAL RUN DATA & PROCESS CAPABILITY. NO CHANGES TO THE STEEL OR PART HAVE OCCURRED.	BDG	DAS
DATE	REV	N/P	DESCRIPTION	ENG	DRW

REVISION HISTORY

REVISIONS: REV: A PHYSICAL CHANGE TO THE PART IMPACTING FIT, FORM OR FUNCTION
N/P: DRAWING OR SPECIFICATION CHANGE ONLY

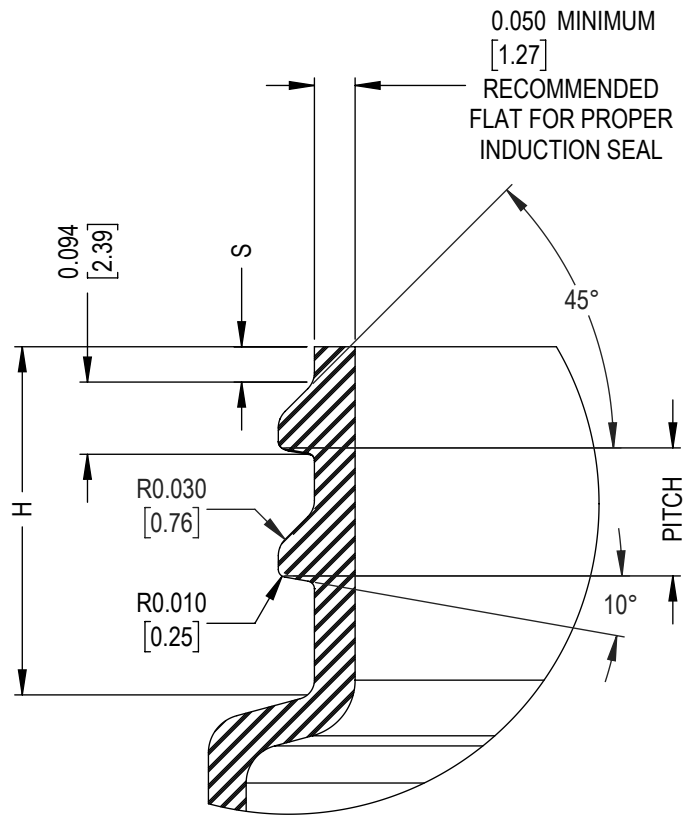
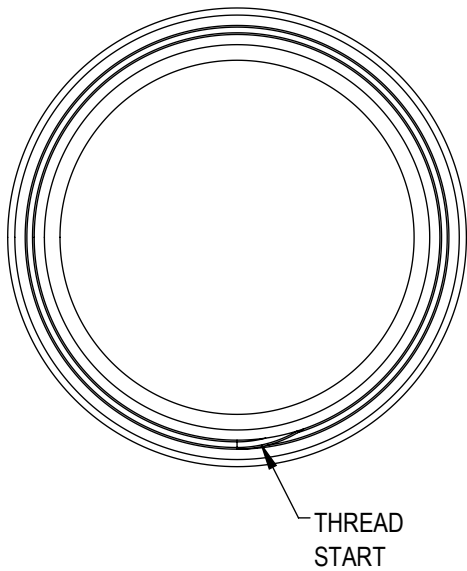


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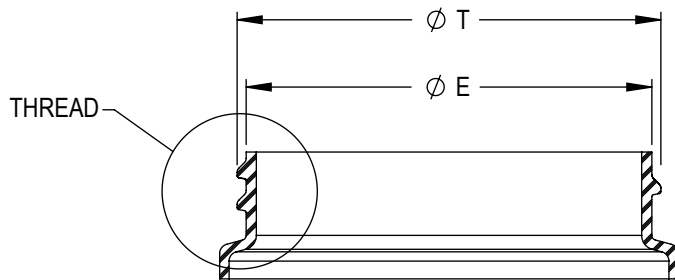
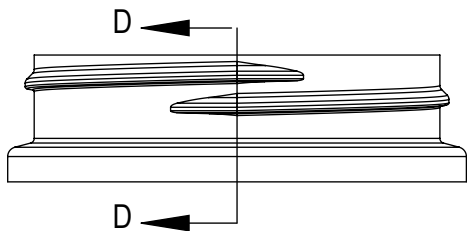
**58-400 CT CLOSURE
S (SMOOTH SIDE, SMOOTH TOP)**

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DRAWING TYPE: CUSTOMER		DISTRIBUTION CODE: D	
DWG SIZE: 8.5" x 11"	DRAWING NUMBER: CQA-10746		REVISION: 00.AB
SCALE: 1:1 & NOTED	SHEET: 2 OF 3		



DETAIL THREAD
SCALE 4 : 1



SECTION D-D

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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NECK FINISH DIMENSIONS ASSUME ZERO THICKNESS (NO) LINER

REFERENCE	DIMENSION	TOLERANCE	UNITS
Ø E	2.113[53.67]	±0.017 [0.43]	in [mm]
Ø T	2.207[56.07]	±0.017 [0.43]	in [mm]
S	0.046 [1.17]	±0.015 [0.38]	in [mm]
H	0.410 [10.41]	MINIMUM	in [mm]
THREADS PER INCH	6		
PITCH	0.167 [4.24]		in [mm]



DRAWING TITLE:

58-400 CT CLOSURE
RECOMMENDED NECK FINISH

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DRAWING TYPE: CUSTOMER

DISTRIBUTION CODE: D

DWG SIZE: 8.5" x 11"

DRAWING NUMBER:

REVISION:

SCALE: 1:1 & NOTED

SHEET: 3 OF 3

CQA-10746

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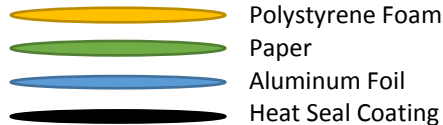


Liner Product Data Sheet

Title: (A01)MRPLN04.020 FOAM R SFYP

Description of Product: Universal Heat Seal Foam Liner

Detailed Product Description: This product is a one piece universal heat seal consisting of foam backing, paper, aluminum foil and heat seal layer.



Regulatory Compliance:

21 CFR 177.1210 Closures with sealing gaskets for food containers.

Typical Properties: This specification, designated by Mold-Rite Plastics, includes all liners that meet the typical value data listed below:

Typical Properties	Typical Value
Overall Thickness • Polystyrene Foam • Paper • Aluminum Foil • Heat Seal Coating	0.024 inch +/- 10% • .0200 inch • .0025 inch • .0003 inch • .0015 inch
Drug Master File	16574
Printed	"SEALED FOR YOUR PROTECTION"
Print Color	Red
Oxygen Transmission	Essentially Zero
Water Vapor Transmission	Essentially Zero

Disclaimers:

1. These are typical properties.
2. All data values and regulatory requirements were obtained from manufacturer product data sheets (where applicable).
3. Product data sheets data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere.
4. Use of Mold-Rite Plastics products must be guided by users' methods for selection of proper formulation.
5. Mold-Rite Plastics disclaims any responsibility for misuse or misapplication of its products.
6. Mold-Rite Plastics liability and customer's exclusive remedy for any claims arising out of sales of its products are expressly limited at: customer option for replacement not to exceed the purchase price plus transportation charges thereon.

Rev. 071818



Product Data Sheet

MRP-PP30-1 Grade

Polypropylene, Homopolymer Plastic Resin

Product Description

MRP-PP30-1 is a high flow polypropylene homopolymer resin designed for injection molding applications requiring good balance stiffness, excellent part finish, process ability, and good mold release.

Compliant to the Following Regulatory Standards:

FDA-21 CFR 177.1520(c)

EU 10/2011, EC 2002/72

RoHS

Proposition 65

CONEG/Heavy Metal

Typical Properties	Method	Typical Value	Unit
Physical			
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	ASTM D1238	30	g/10 min
Mechanical			
Tensile Strength (50mm/min) (Yield)	ASTM D 638	33.1	MPa
Tensile Elongation (50mm/min) (Yield)	ASTM D 638	10	%
Flexural Modulus – 1% Secant (1.3 mm/min)	ASTM D790A	1380	MPa
Hardness, Rockwell R	ASTM D785	104	-
Impact			
Notched Izod impact (23 °C, Method A)	ASTM D 256A	37	J/m
Thermal			
Heat Deflection (Softening Point) Unannealed DTLU @ 66psi	ASTM D 648	91	°C
Processing Range	----	400 – 500	°F

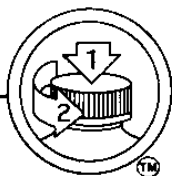
For further regulatory information contact MRP Solutions customer service or sales department.

Notes:

These are typical properties not to be construed as specifications.

MRP Solutions warrants this grade to meet typical data values and physical, chemical, and processing properties.

All results were obtained from manufacturer product data sheets (where applicable). The data are intended as a general guide, only, and do not necessarily represent results that may be obtained, elsewhere. The use of MRP Solutions products must be guided by the users' own methods for selection of proper formulation. MRP Solutions disclaims any responsibility for misuse or misapplication of its products. MRP Solutions' liability and customer's exclusive remedy for any claims arising out of sales of its products are expressly limited to customer option for replacement (not to exceed the purchase price) with the addition of transportation charges, on material for which damage is claimed.



Product Data Sheet

MRPBK01 Black

Product Description

This specification, designated by Mold-Rite Plastics, covers all colorants that meet the typical value data listed below;

Regulatory Compliance

FDA – Title 21 CFR Section 170-199 for Food & Drug Contact

RoHS Compliant

CONEG/Heavy Metal Compliant

Proposition 65 Compliant

Typical Properties	Typical Value
Specific Gravity	.88-.92
Melt Index	Available upon request
Pellets	Standard
Recommended Let Down Ratio	100:1
Carrier Resin	PP
Estimated Heat Stability	320 °F
Visual Evaluation	Excellent
Additives	None
DE Tolerance	< 2.00

For further regulatory information, contact Mold-Rite Plastics customer service or sales department.

Notes: These are typical properties not to be construed as specifications. Mold-Rite Plastics reserves that right to include any other colorant that meets that above data values and regulatory requirements.

This product data sheet covers multiple colorant formulations that meet the above typical data values and regulatory requirements. All listed formulas have similar physical, chemical and processing properties. Listed known formulas; PP94620024

All results were obtained from manufacturer product data sheets (where applicable). The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. The use of Mold-Rite Plastics products must be guided by the users own methods for selection of proper formulation. Mold-Rite Plastics disclaims any responsibility for misuse or miss application of its products. Mold-Rite Plastics liability and customer's exclusive remedy for any claims arising out of sales of its products are expressly limited at customer option for replacement not to exceed the purchase price plus transportation charges thereon in respect to any material which damage is claimed.

Revisions- 03/30/10 – Mixing Ratio was corrected to 100:1.