

SECTION A-A  
SCALE 1 : 1

	TOLERANCE	UNITS	
T	±0.010 [0.25]	in [mm]	3.525 [89.54]
E	±0.010 [0.25]	in [mm]	3.410 [86.61]
H	±0.010 [0.20]	in [mm]	0.505 [12.83]
OAH	±0.010 [0.25]	in [mm]	0.576 [14.63]
BOTTOM OD	±0.010 [0.25]	in [mm]	3.637 [92.38]
PART WEIGHT	±1.0	g	14.85

**STATIC TORQUE RECOMMENDATION**  
**40-70** in-lbs  
 THIS REQUIREMENT MAY VARY DEPENDING UPON BOTTLE MATERIAL, NECK FINISH, AND CAPPING EQUIPMENT

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

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

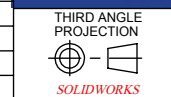
ANGULAR TOLERANCE ± 2°

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DISTRIBUTION CODE  
**D**

DRAWING NAME  
**89mm-400 "S" SMOOTH WALL CLOSURE**

DRAWN BY: PDT

07/05/94

DRAWING NUMBER  
**C-1017**

QA APPR:

MATERIAL  
**POLYPROPYLENE**

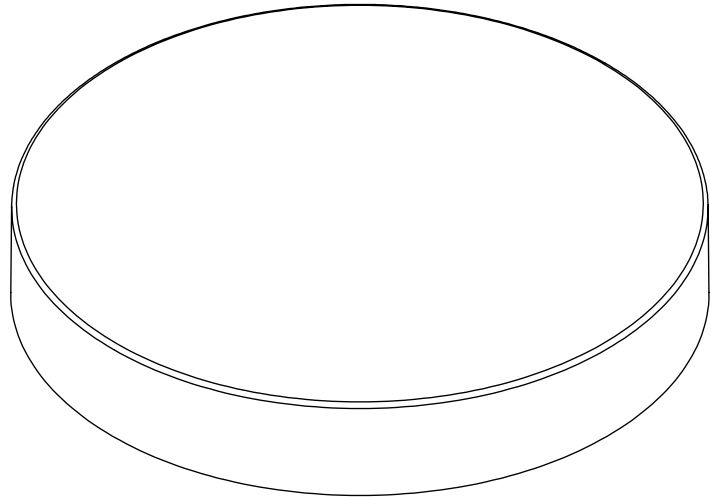
CUSTOMER APPR:

MODEL NUMBER: C-1017

SCALE	SHEET SIZE	SHEET	REV	N/P
1.5 : 1 & NOTED	8½ x 11	1 of 3	03	--

REVISION HISTORY

REV	N/P	DATE	REVISION	DE
01	--	05/15/00	WEIGHT, H, A, B	GG
02	--	08/10/10	REVISED WEIGHT TO ACTUAL DATA	GG
03	--	07/16/15	NO PART CHANGES, UPDATED FORMAT, ADDED RECOMMENDED NECK FINISH	LMB



SCALE: 1 : 1

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ANGULAR TOLERANCE ± 2°

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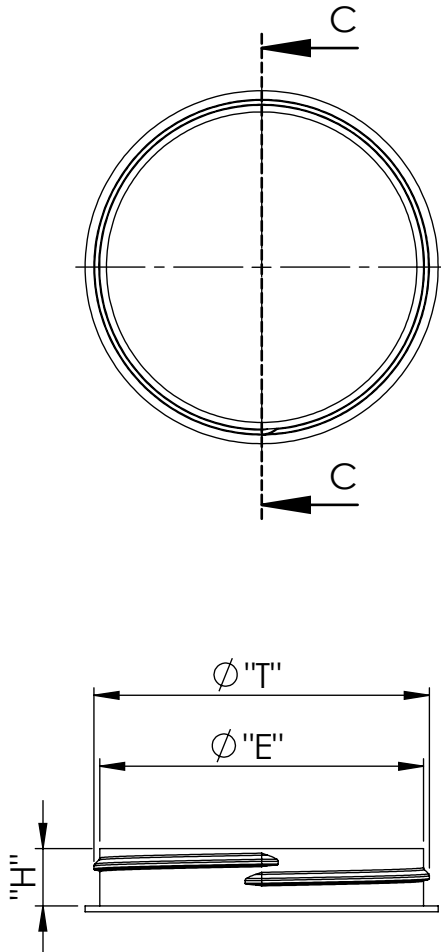
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THIRD ANGLE PROJECTION  
DISTRIBUTION CODE **D**  
DRAWING NAME **89mm-400 "S" SMOOTH WALL CLOSURE**  
DRAWING NUMBER **C-1017**  
MATERIAL **POLYPROPYLENE**  
DRAWN BY: REFER TO PAGE 1  
QA APPR: REFER TO PAGE 1  
CUSTOMER APPR: REFER TO PAGE 1

SCALE	SHEET SIZE	SHEET	REV	N/P
1 : 1	8½ x 11	2 of 3	03	--

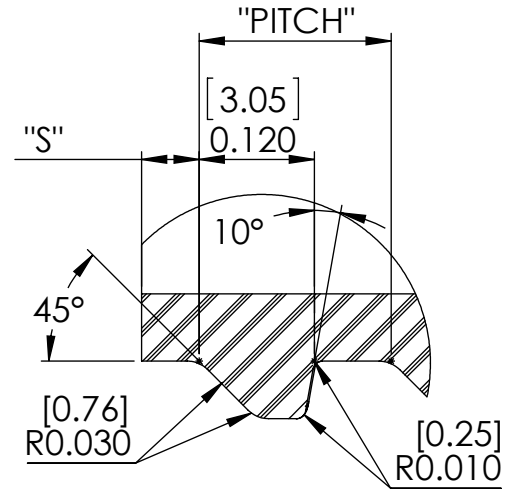
# Recommended Neck Finish



[1.27]  
0.050  
MINIMUM RECOMMENDED FLAT  
FOR PROPER INDUCTION SEAL



SECTION C-C



DETAIL D  
SCALE 5 : 1  
THREAD DETAIL

	TOLERANCE	UNITS	
<b>E</b>	±0.017 [0.43]	in [mm]	3.374 [85.70]
<b>T</b>	±0.017 [0.43]	in [mm]	3.494 [88.75]
<b>H</b>	±0.017 [0.38]	in [mm]	0.597 [15.16]
<b>S</b>	±0.015 [0.38]	in [mm]	0.060 [1.52]
<b>THREADS PER INCH</b>		in	5
<b>PITCH</b>		in [mm]	0.200 [5.08]

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MATERIAL

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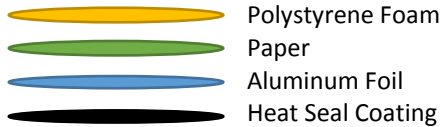


# Liner Product Data Sheet

**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 <ul style="list-style-type: none"> <li>• Polystyrene Foam</li> <li>• Paper</li> <li>• Aluminum Foil</li> <li>• Heat Seal Coating</li> </ul>	0.024 inch +/- 10% <ul style="list-style-type: none"> <li>• .0200 inch</li> <li>• .0025 inch</li> <li>• .0003 inch</li> <li>• .0015 inch</li> </ul>
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.