



FPT300F

Homopolymer Polypropylene

- Good Mold Release, Excellent Part Finish (Low Bloom)
- Suggested Uses Include Housewares, Caps and Closures, Mugs / Cups, Thin-Walled Containers

Property	Units	Typical Value	Test Method
Nominal Melt Flow Rate (230°C/2.16kg)	g/10 min	30	ASTM D1238
Tensile Strength at Yield (2 in/min, 50 mm/min)	psi MPa	4,800 33	ASTM D638
Elongation at Yield (2 in/min, 50 mm/min)	%	10	ASTM D638
Flexural Modulus (0.05 in/min, 1.3 mm/min, 1% secant)	psi MPa	200,000 1,379	ASTM D790A
Notched Izod Impact Strength at 23°C	ft-lbs/in J/m	0.7 37	ASTM D256A
Rockwell Hardness	R	104	ASTM D785

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For cautions and other information relating to handling of
and exposure to this product, please see material safety
data sheet code number C4001 published by Braskem.

550 Technology Drive
Pittsburgh, PA 15219
1-800-223-8871

Revision Date: Monday,
March 23, 2009

www.braskem.com



MOLD-RITE PLASTICS LLC.
 1 Plant Street P.O. Box 160
 Plattsburgh NY 12901
 (518)561-1812
<https://www.mrpcap.com>

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
Density	.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, Penn Color 60B4175

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
 09/23/15-Updated to new format



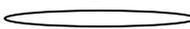
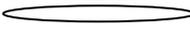
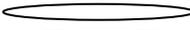
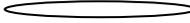
Product Data Sheet

MRP Description: (A01)MRPLN04.020 FOAM R SFYP

MRPLN04 – Universal Heat Seal Foam Liner

Product Description

This product is a 1 piece universal heat seal consisting of foam backing, paper, aluminum foil and heat seal layer.. This specification, designated by Mold-Rite Plastics, covers all liners that meet the typical value data listed below;

-  Polystyrene Foam
-  Paper
-  Aluminum Foil
-  Heat Seal Coating

Regulatory Compliance

FDA Title 21 CFR Section 177.1210 (Closure with Sealing Gaskets for Food Containers,
 RoHS Compliant
 CONEG/Heavy Metal Compliant
 Proposition 65 Compliant

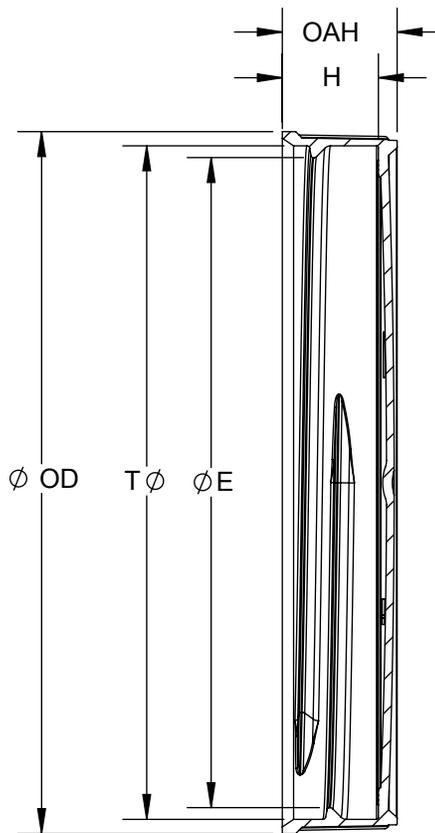
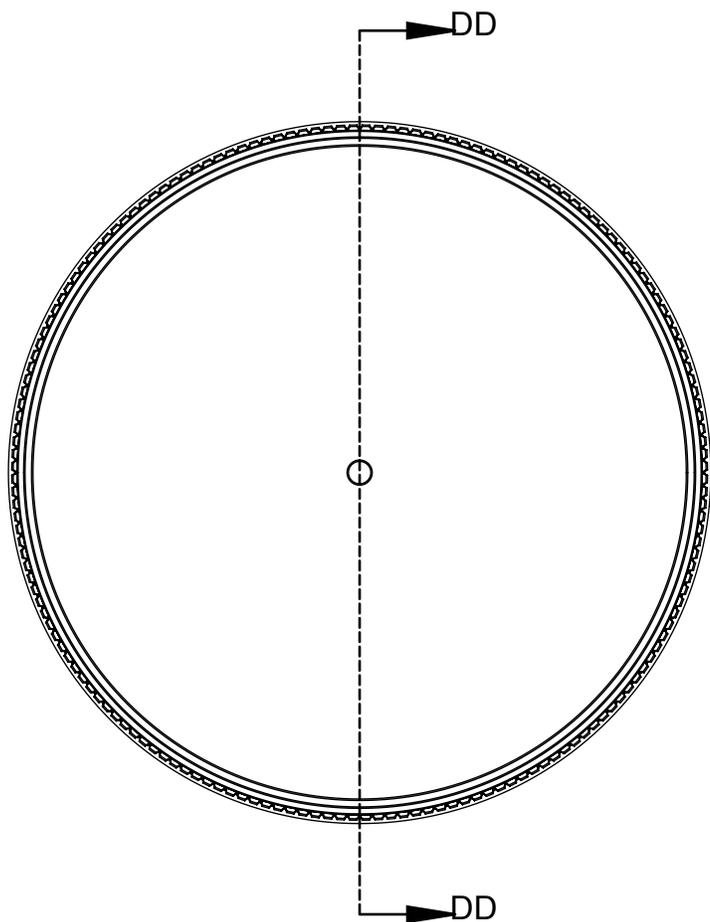
Typical Properties	Typical Value
Overall Thickness	.024 +/- 10%
Drug Master File	16574
Printed	R SFYP
Oxygen Transmission	Essentially Zero
Water Vapor Transmission	Essentially Zero

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 liner that meets that above data values and regulatory requirements.

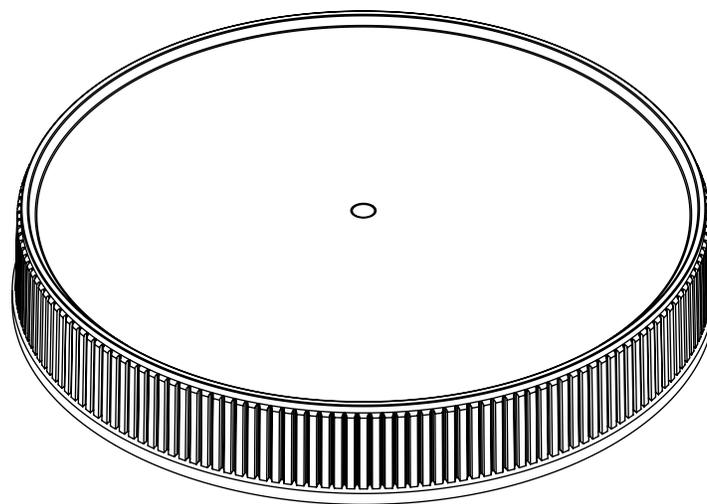
This product data sheet covers multiple liners that meet the above typical data values and regulatory requirements. All listed liners have similar physical, chemical and processing properties. Listed known liners: HS035, HS 035N, HS205, FS5-8, HSS-5.6

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SECTION DD-DD

THREAD DETAIL INFORMATION
5 THREADS PER INCH, .200 PITCH,
380° FULL DEPTH THREAD



REFERENCE	TOLERANCE	DIMENSION	UNITS
E	±.013 [0.33]	3.421 [86.89]	in [mm]
T	±.015 [0.38]	3.535 [89.79]	in [mm]
H	±.012 [0.30]	0.502 [12.75]	in [mm]
OAH	±.012 [0.30]	0.604 [15.34]	in [mm]
OD	±.015 [0.38]	3.681 [93.50]	in [mm]
PART WEIGHT	± 1.10	12.50	g

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

DRAWING TYPE : **CUSTOMER**

REPLACES DRAWINGS: _____
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

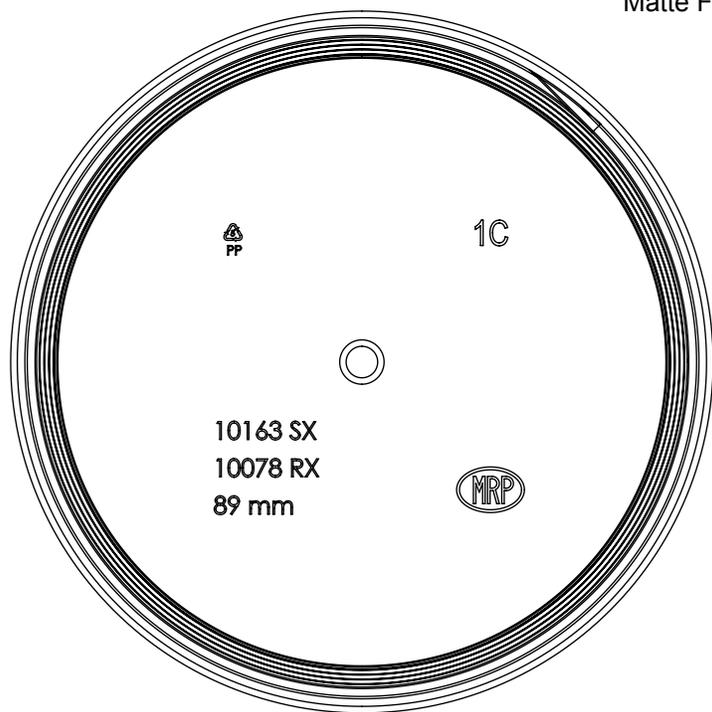
THE CLOSURE DIMENSIONS DEPICTED ARE THOSE WHICH HAVE GENERALLY BEEN FOUND TO BE FUNCTIONAL BASED ON INDUSTRY EXPERIENCE BECAUSE OF VARIABILITY IN GLASS AND PLASTIC CONTAINER FINISHES, EACH CLOSURE/FINISH SYSTEM SHOULD BE INDIVIDUALLY EVALUATED AND TESTED TO ENSURE IT MEETS APPLICABLE PERFORMANCE CRITERIA.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

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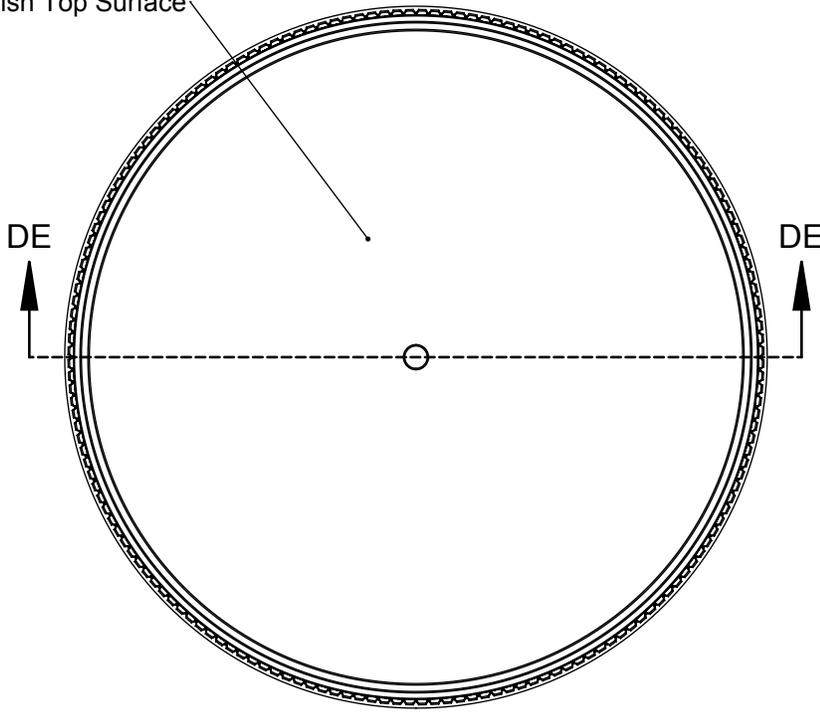
ANGULAR TOLERANCE ± 2°
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THIRD ANGLE PROJECTION	DISTRIBUTION CODE D	DRAWING NAME 89-400 CT Closure RX (RIBBED-MATTE-STACK)			
		DRAWING NUMBER CQA - 10078			
DRAWN BY: BDG 5/29/2015		MATERIAL POLYPROPYLENE			
ENG APPR: BDG 3/30/2017		MODEL NUMBER: PM 10164 89-400 RX_SX CT			
QA APPR: DWE 4/5/2017	SCALE: 1:1	SHEET SIZE: 11in*17in	SHEET: 1 of 3	REV.NP: 07.AA	

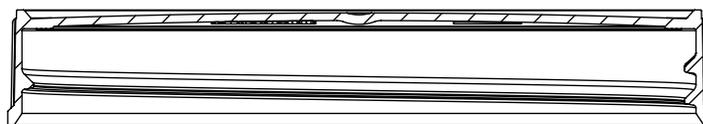
DATE	REV	N/P	DESCRIPTION	ENG	DRW N
01/14/15	05	AA	INITIAL RELEASE	BDG	BDG
12/03/15	05	AB	UPDATED SPECIFICATION BASED ON PLATTS VALIDATION (11/24/15)	BDG	BDG
03/02/16	05	AC	UPDATED SPECIFICATION BASED ON SOM VALIDATION (11/24/15)	BDG	BDG
03/09/16	06	AA	ADDED V-GROOVE TO BOTTLE LANDING. UPDATED PART WEIGHT	BDG	BDG
03/30/17	07	AA	ADD CHAMFER AT "T" LOCATION	BDG	BDG



Matte Finish Top Surface



Nesting Profile



SECTION DE-DE
SCALE 1 : 1

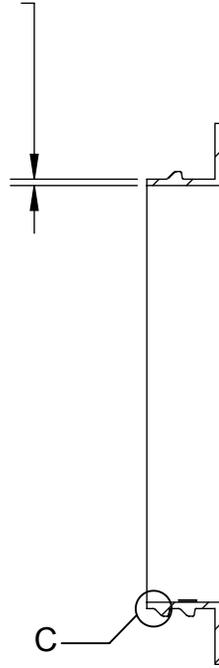
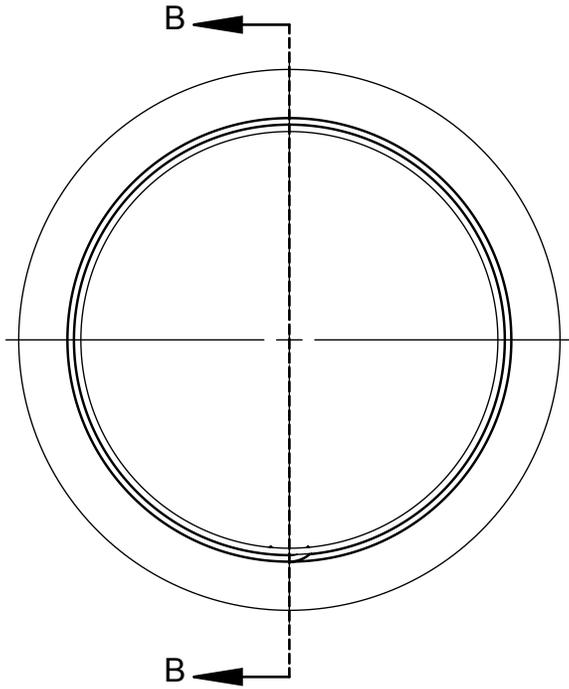
DRAWING TYPE : CUSTOMER			
REFERENCE 89010		DIMENSIONS ENCLOSED IN () INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED	
TOLERANCES UNLESS OTHERWISE SPECIFIED			
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ANGULAR TOLERANCE ± 2°			
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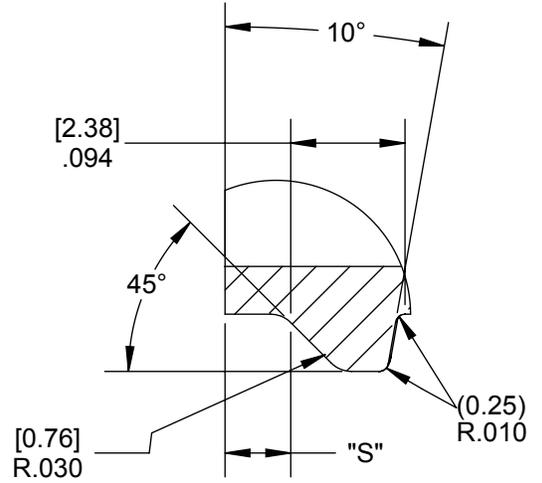
THIRD ANGLE PROJECTION 	DISTRIBUTION CODE D	DRAWING NAME 89-400 CT Closure RX (RIBBED-MATTE-STACK)	
		DRAWING NUMBER CQA - 10078	
DRAWN BY: BDG	5/29/2015	MATERIAL POLYPROPYLENE	
ENG APPR. BDG	3/30/2017	MODEL NUMBER: PM 10164 89-400 RX_SX CT	
QA APPR. DWE	4/5/2017	SCALE 1:2	SHEET SIZE 11in*17in
		SHEET 2 of 3	REV.NP 07.AA

THE CLOSURE DIMENSIONS
DEPICTED ARE THOSE WHICH HAVE GENERALLY BEEN
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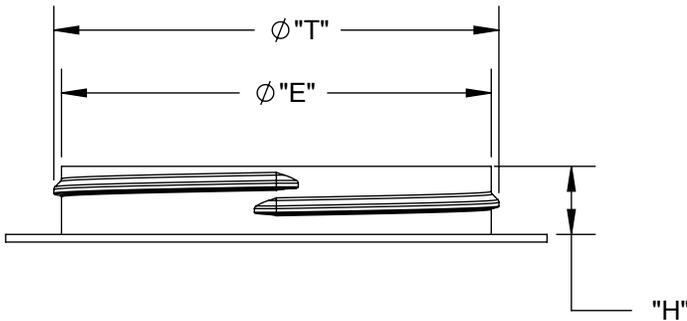
0.050 [1.27] RECOMMENDED FLAT FOR PROPER INDUCTION SEAL



SECTION B-B
SCALE 1 : 1.5



DETAIL C
SCALE 5 : 1
THREAD DETAIL



REFERENCE	TOLERANCE	UNITS	DIMENSION
E	± 0.017 [0.43]	IN [mm]	3.374 [85.70]
T	± 0.017 [0.43]	IN [mm]	3.494 [88.75]
S	± 0.015 [0.38]	IN [mm]	0.060 [1.52]
H	± 0.015 [0.38]	IN [mm]	0.535 [13.59]
TPI			5
PITCH		IN [mm]	0.200 [5.08]

NOTE: THE NOMINAL ORIENTATION ILLUSTRATED IS BASED ON NOMINAL DIMENSIONS OF BOTH THE CLOSURE AND THE RECOMMENDED NECK FINISH. FOR EXACT ORIENTATION EACH BOTTLE SHOULD BE EVALUATED ON A CASE BY CASE BASIS.

DRAWING TYPE : CUSTOMER

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ANGULAR TOLERANCE ± 2°

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SOLIDWORKS

DISTRIBUTION CODE
D

DRAWING NAME

89-400 CT Closure
RX (RIBBED-MATTE-STACK)

DRAWING NUMBER

CQA - 10078

MATERIAL

POLYPROPYLENE

DRAWN BY: BDG

DATE: 5/29/2015

ENG APPR: BDG

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QA APPR: DWE

DATE: 4/5/2017

MODEL NUMBER:

PM 10164 89-400 RX_SX CT

SCALE

1:2

SHEET SIZE

11in*17in

SHEET

3 of 3

REV/NIP

07.AA

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