



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.

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Pittsburgh, PA 15219
1-800-223-8871

Revision Date: Monday,
March 23, 2009

www.braskem.com



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 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



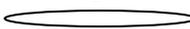
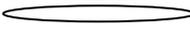
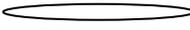
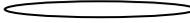
Product Data Sheet

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

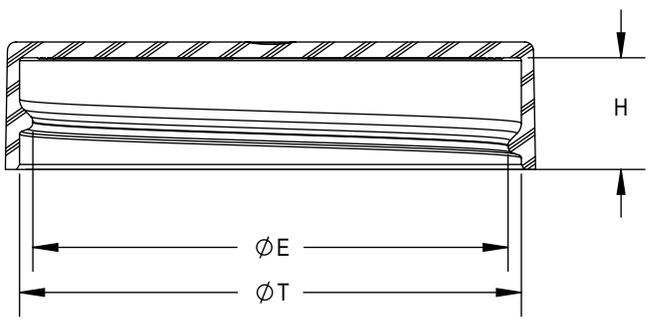
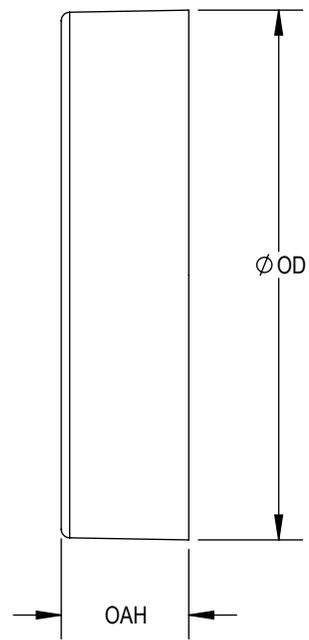
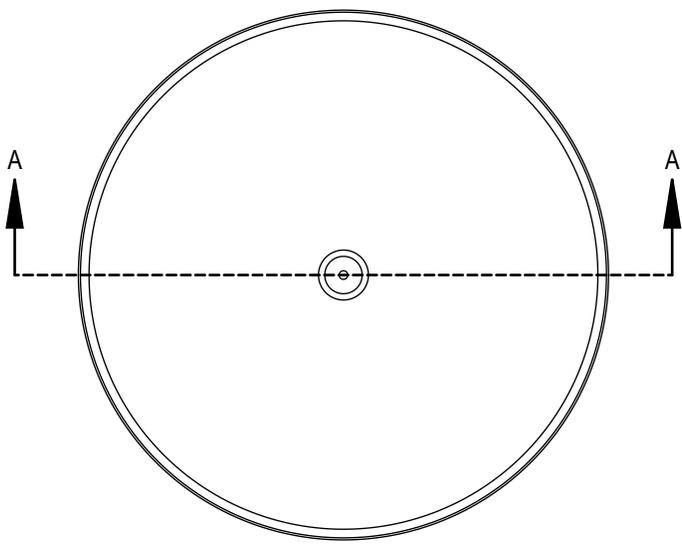
Typical Properties	Typical Value
Overall Thickness	.024 +/- 10%
Drug Master File	16574
Printed	R SFYP
Oxygen Transmission	Essentially Zero
Water Vapor Transmission	Essentially Zero

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 A-A

**THREAD DETAIL:
6 THREADS PER INCH, 0.167" PITCH**

REFERENCE	TOLERANCE	UNITS	DIMENSION
E	±.010[0.25]	in [mm]	1.656 [42.06]
T	±.010[0.25]	in [mm]	1.752 [44.50]
H	±.010[0.25]	in [mm]	0.390[9.91]
OD	±.012[0.30]	in [mm]	1.850[46.99]
OAH	±.010[0.25]	in [mm]	0.445 [11.30]
PART WEIGHT	± 0.50	g	3.69

STATIC TORQUE RECOMMENDATION
17-27 in-lbs
THIS REQUIREMENT MAY VARY DEPENDING UPON BOTTLE MATERIAL, NECK FINISH, AND CAPPING EQUIPMENT

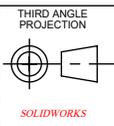
DRAWING TYPE : **CUSTOMER**

REPLACES DRAWINGS: C-1010
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
45-400 CT CLOSURE
SS (Smooth Side - Smooth Top)

DRAWING NUMBER
CQA - 10300

MATERIAL
POLYPROPYLENE

MODEL NUMBER:
PM 10297 45-400 CT

SCALE	SHEET SIZE	SHEET	REV NP
1:1	8.5in*11in	1 of 3	00.AB

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.

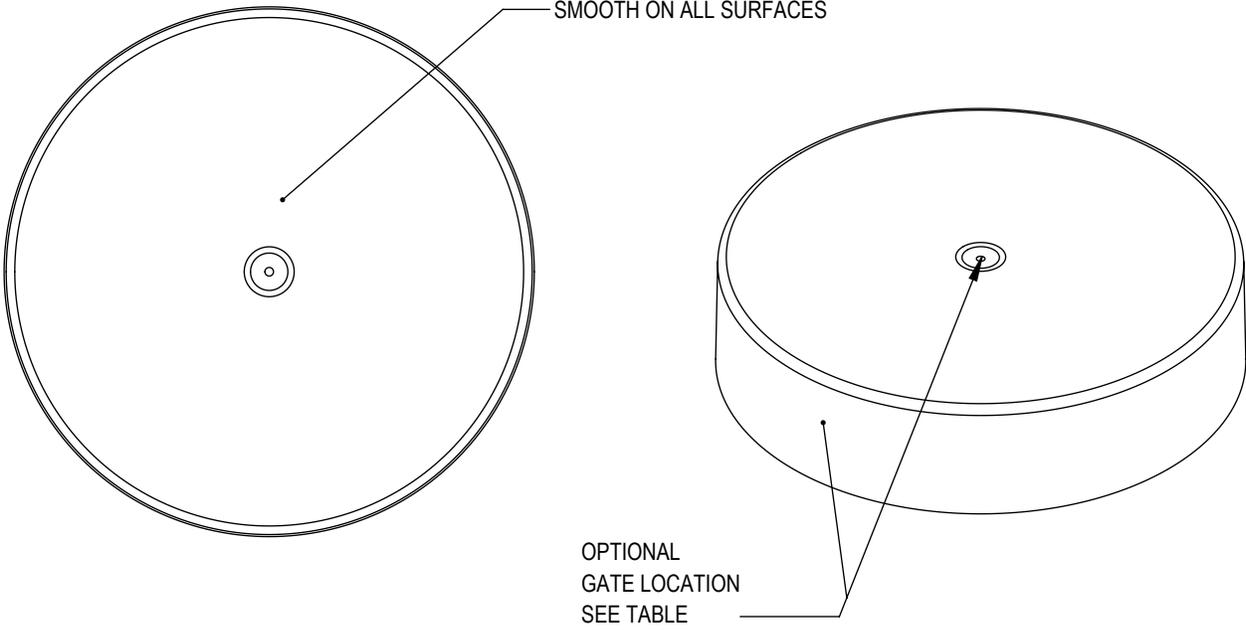
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DRAWN BY: JDM 6/3/2016

ENG APPR: BDG 8/17/2017

QA APPR: REL 09/05/2017

REVISIONS						
DATE	REV.	N/P	PRODUCT DRAWING REQUEST	DESCRIPTION	ENG	DRW
6/3/2016	00	AA	PDR 16-025	UPDATE DRAWING FORMAT, REFER TO C-1010 FOR REVISION HISTORY	JDM	JDM
6/14/2017	00	AB	PDR 17-035	UPDATED OD TOLERANCE, T DIMENSION AND PART WEIGHT BASED ON HISTORICAL DATA, ADDED GATE LOCATION TABLE	BDG	BDG



MOLD NUMBER	GATE LOCATION
45001	SIDE
45003	SIDE
45005	SIDE
45007	SIDE
45011	TOP CENTER

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.

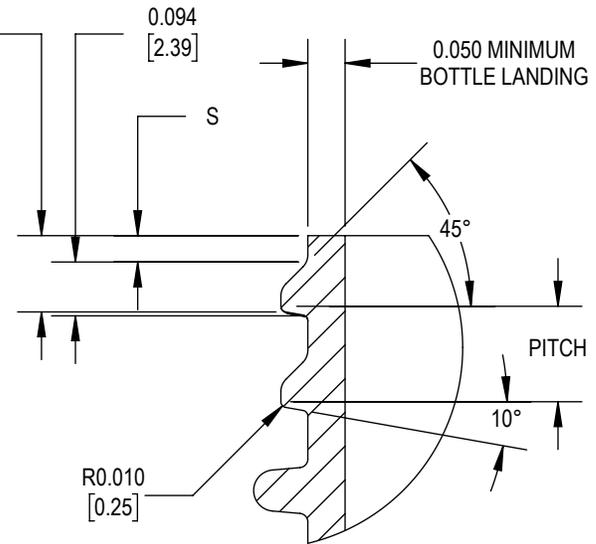
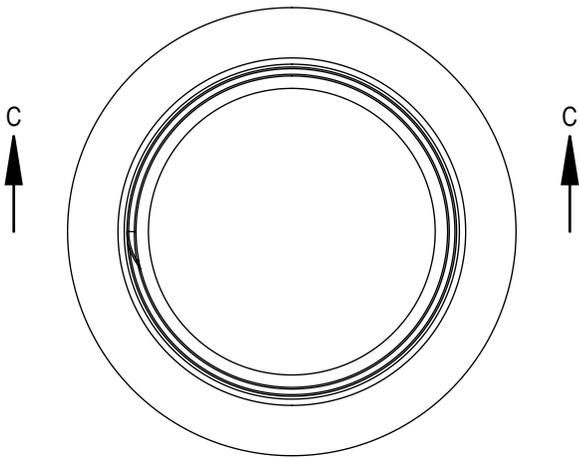
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DRAWING TYPE : CUSTOMER			
REFERENCES: 45001, 45003, 45005, 45007, 45011		DIMENSIONS ENCLOSED IN () INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED	
TOLERANCES UNLESS OTHERWISE SPECIFIED			
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7.875-9.843	±0.032	201-250	±0.813
ANGULAR TOLERANCE ± 2°			
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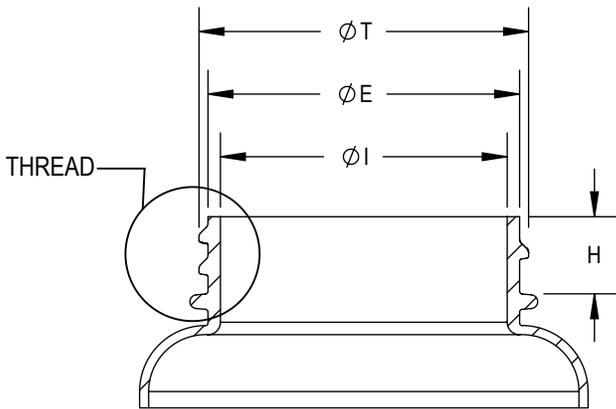


THIRD ANGLE PROJECTION	DISTRIBUTION CODE	DRAWING NAME			
	D	45-400 CT CLOSURE SS (Smooth Side - Smooth Top)			
		DRAWING NUMBER			
		CQA - 10300			
		MATERIAL			
		POLYPROPYLENE			
		MODEL NUMBER:			
		PM 10297 45-400 CT			
DRAWN BY.	JDM	6/3/2016	SCALE	SHEET SIZE	SHEET
ENG APPR.	BDG	8/17/2017	1:1	8.5 X 11	2 of 3
QA APPR.	REL	09/05/2017	REV.NP		00.AB

0.133
[3.38]
S' - CRITICAL FOR ORIENTATION
0.001" = 2 IN ROTATION



DETAIL THREAD
SCALE 3 : 1



SECTION C-C
SCALE 1 : 1

REFERENCE	TOLERANCE	UNITS	DIMENSION
E	±0.012 [0.30]	in [mm]	1.631 [41.43]
T	± 0.017 [0.43]	in [mm]	1.725 [43.82]
I	MINIMUM	in [mm]	1.525 [38.74]
S	± 0.015 [0.38]	in [mm]	0.046 [1.17]
H	± 0.015 [0.38]	in [mm]	0.415 [10.54]
TPI			6
PITCH		in [mm]	0.167 [4.24]

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

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

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ANGULAR TOLERANCE ± 2°

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SOLIDWORKS

DISTRIBUTION CODE

D

DRAWING NAME

45-400 CT CLOSURE
RECOMMENDED NECK FINISH

DRAWING NUMBER

CQA - 10300

DRAWN BY.

JDM

6/3/2016

MATERIAL

ENG APPR.

BDG

8/17/2017

MODEL NUMBER:

QA APPR.

REL

09/05/2017

SCALE

1:2

SHEET SIZE

8.5 X 11

SHEET

3 of 3

REV/N/P

00.AB

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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