



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

	Raw Material Product Data Sheet	
	Product Name: MRPWH01	Revision #: A
	Revision Date	03/07/2019
	Effective Date	07/01/2019

Product Name:

MRPWH01

Product Description:

FDA Compliant White colorant, intended to be used with injection-molded plastic resin

Product Data:

Additives None

<u>Typical Properties</u>	<u>Typical Value</u>
Delta E Tolerance	Less than 2.00
Visual Evaluation	Visual match to approved color standard

FDA Compliance/Status

FDA, Title 21 CFR Food & Drug Contact	<input checked="" type="checkbox"/> Compliant	<input type="checkbox"/> Not
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This colorant formulation has been manufactured using FDA approved ingredients and, when used appropriately (with an FDA approved resin), will meet FDA contact applications regulated under the provisions of the Food, Drug, and Cosmetic Act (and subsequent amendments as outlined in Title 21 of the Code of Federal Regulation).

Additional Compliance/Status (and amendments as of the date of this document)

Proposition 65, Safe Drinking Water and Toxic Enforcement Act	<input checked="" type="checkbox"/> Compliant	<input type="checkbox"/> Not
CONEG, Model Toxics in Packaging Legislation	<input checked="" type="checkbox"/> Compliant	<input type="checkbox"/> Not
EU 2015/863, as regards the list of restricted substances, RoHS	<input checked="" type="checkbox"/> Compliant	<input type="checkbox"/> Not

For further regulatory information, please contact Mold Rite Plastic's customer service or sales department.

This product data sheet addresses all colorants that meet the above requirements & specifications. Data was obtained from supplier product data sheets (where applicable). This data is intended to be used as a guide only. It is ultimately the customer's responsibility to determine the suitability of the material for their specific application, and to be responsible for assuring compliance with all applicable laws and regulations.

HS 035 HEAT SEAL/20F

MRP Description - (021)HS035.020 R SFYP

- Designed as a one-piece, polystyrene backed, induction heat seal with an ethylene vinyl acetate based sealant layer that gives a tamper evident bond to Polyethylene (PE), Polypropylene (PP), Polyester (PET), Polystyrene (PS), Vinyl (PVC) and glass containers.
- Available with standard or custom print.

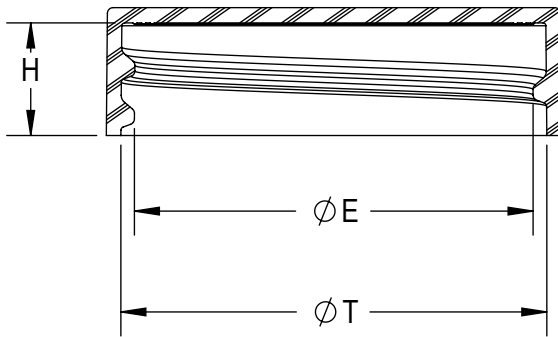
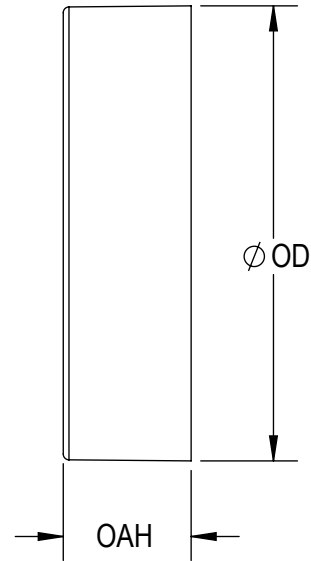
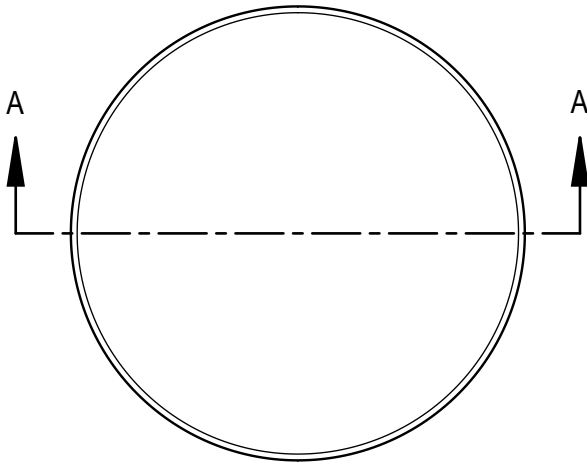
Typical Product Attributes

Construction			
Polystyrene Foam Paper Aluminum Foil Heat Seal		SI (µm)	US (Mils)
		508,0	20.0
		71,1	2.8
		8,9	0.35
		63,5	2.25
Minimum Width		25,4 mm	1.0 inch
Width Tolerance		± 1,6 mm	± 1/16
Properties			
Water Vapor Transmission (WVTR)	Essentially Zero		
Gas (O ₂) (GTR)	Essentially Zero		
Regulatory Compliance			
FDA Compliance	21 CFR 177.1640 Polystyrene and rubber-modified polystyrene. 21 CFR 177.1350 Ethylene-vinyl acetate copolymers. 21 CFR 177.1210 Closures with sealing gaskets for food containers 21 CFR 176.180 Components of paper and paperboard in contact with dry foods. 21 CFR 176.170 Components of paper and paperboard in contact with aqueous and fatty foods.		
Drug Master File (DMF)	2518		
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: 2016-03-25
 Revised Date: N/A
 Revision Number: 0
 Created by PEY

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SECTION A-A

THREAD DETAIL INFORMATION
6 THREADS PER INCH, 0.167 PITCH

REFERENCE	TOLERANCE	DIMENSION	UNITS
E	±0.010 [0.25]	1.395 [35.43]	in [mm]
T	±0.010 [0.25]	1.487 [37.77]	in [mm]
H	±0.008 [0.20]	0.392 [9.96]	in [mm]
OAH	±0.008 [0.20]	0.443 [11.25]	in [mm]
OD	±0.010 [0.25]	1.576 [40.03]	in [mm]
PART WEIGHT	± 0.30	2.80	g

STATIC TORQUE RECOMMENDATION
17-26 in-lbs
THIS REQUIREMENT MAY VARY DEPENDING UPON BOTTLE MATERIAL, NECK FINISH, AND CAPPING EQUIPMENT

DRAWING TYPE : CUSTOMER

REPLACES DRAWINGS:
C-1008

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

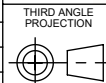
TOLERANCES UNLESS OTHERWISE SPECIFIED

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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D

DRAWING NAME
38-400 CT CLOSURE
S (Smooth - Smooth)

DRAWING NUMBER
CQA - 10014

MATERIAL
POLYPROPYLENE

MODEL NUMBER:
PM 10498 38-400 CT

DRAWN BY: DAS 4/12/2017

ENG APPR: JDM 3/21/2018

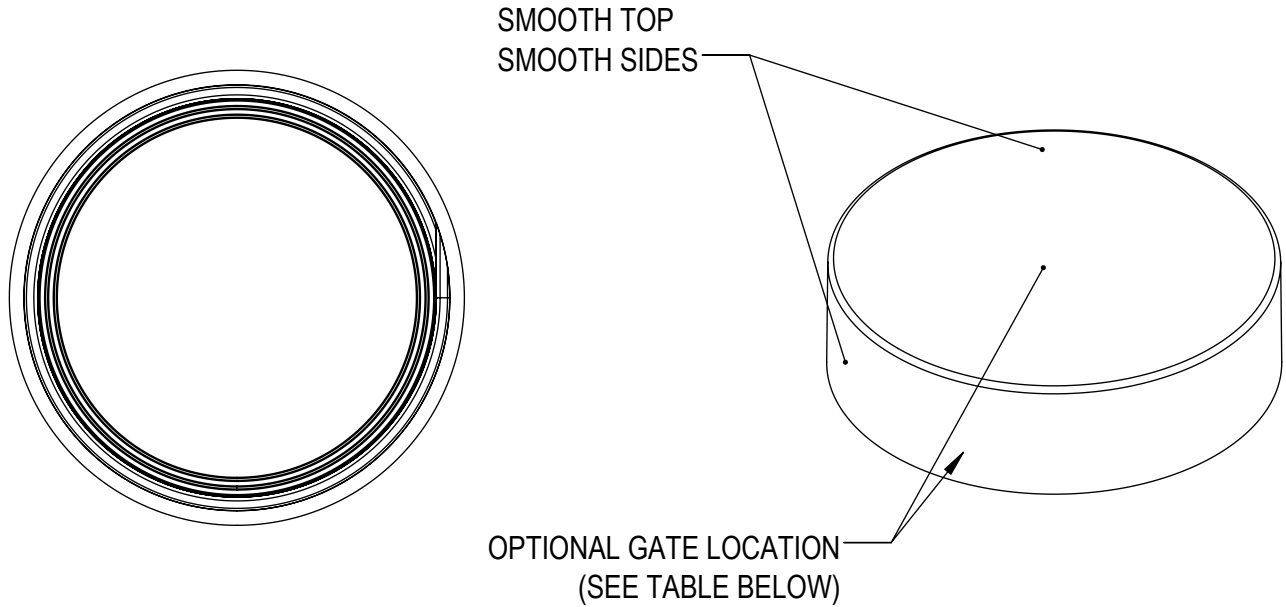
QA APPR: REL 03/22/2018

SCALE	SHEET SIZE	SHEET	REV.NP
3:2	8.5in*11in	1 of 3	00.AC

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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REVISIONS					
DATE	REV.	N/P	DESCRIPTION	ENG	DRW
2/26/2014	00	AA	INITIAL RELEASE	CM	LB
4/12/2017	00	AB	UPDATED DRAWING FORMAT	JDM	DAS
11/21/2017	00	AC	CORRECTED NOMINAL FOR OAH AND OD	JDM	JDM



MOLD NUMBER	GATE LOCATION
38011	SIDE
38012	SIDE
38017	TOP CENTER
38024	SIDE
38025	TOP CENTER
38030	TOP CENTER

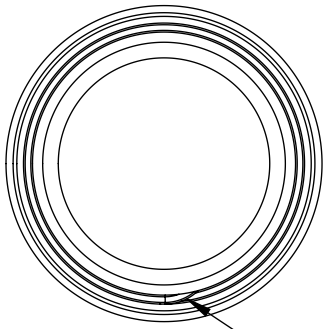
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REFERENCES: 38011, 38012, 38017, 38024, 38025		DIMENSIONS ENCLOSED IN () INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED	
TOLERANCES UNLESS OTHERWISE SPECIFIED			
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3.938-5.096	±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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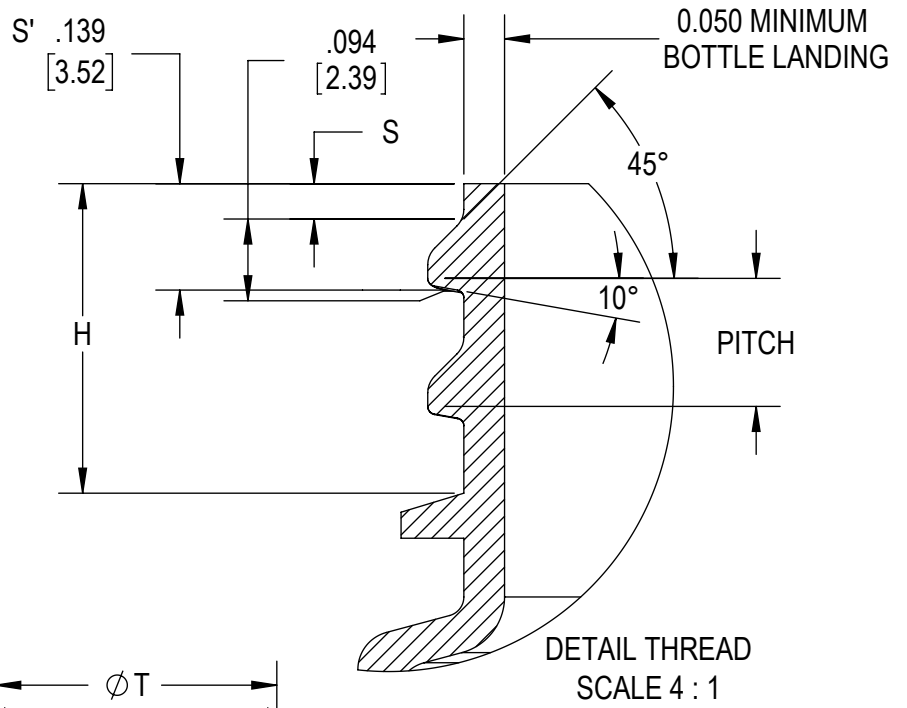
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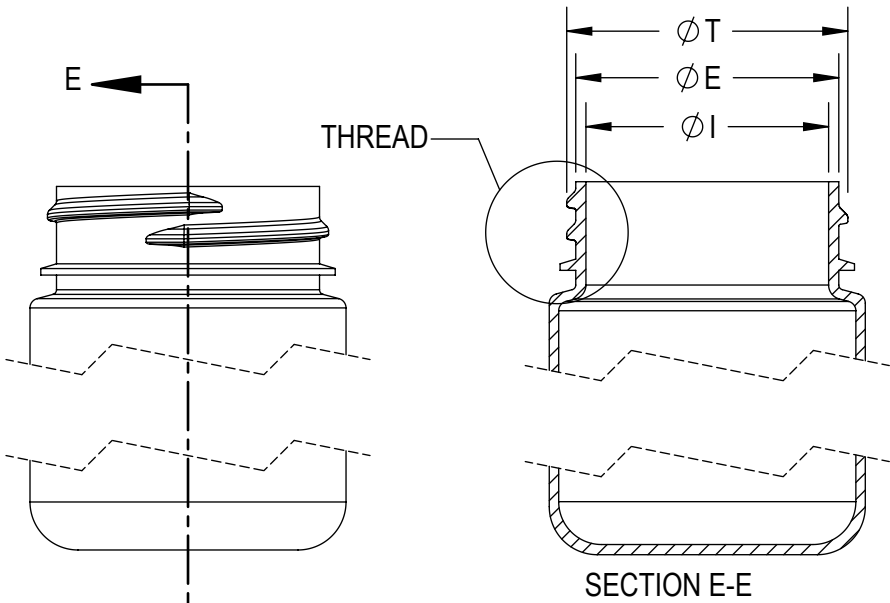
THIRD ANGLE PROJECTION	DISTRIBUTION CODE D	DRAWING NAME 38-400 CT CLOSURE S (Smooth - Smooth)			
		DRAWING NUMBER CQA - 10014			
DRAWN BY: DAS	4/12/2017	MATERIAL POLYPROPYLENE			
ENG APPR: JDM	3/21/2018	MODEL NUMBER: PM 10498 38-400 CT			
QA APPR: REL	03/22/2018	SCALE 3:2	SHEET SIZE 8.5 X 11	SHEET 2 of 3	REV.NP 00



THREAD START



DETAIL THREAD
SCALE 4 : 1



SECTION E-E

REFERENCE	TOLERANCE	UNITS	DIMENSIONS
E	±0.012 [0.30]	in [mm]	1.370 [34.80]
T	±0.012 [0.30]	in [mm]	1.464 [37.19]
I	MINIMUM	in [mm]	0.987 [25.07]
S	±0.015 [0.38]	in [mm]	0.046 [1.17]
H	MINIMUM	in [mm]	0.403 [10.24]
TPI			6
PITCH		in	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.

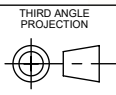
DRAWING TYPE : CUSTOMER

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ANGULAR TOLERANCE ± 2°
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DRAWING NAME
**38-400 CT CLOSURE
RECOMMENDED NECK FINISH**

DRAWING NUMBER
CQA - 10014

DRAWN BY: DAS 4/12/2017

MATERIAL

ENG APPR: JDM 3/21/2018

MODEL NUMBER:

QA APPR: REL 03/22/2018

SCALE	SHEET SIZE	SHEET	REV/N/P
1:1	8.5 X 11	3 of 3	00.AC

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