



# 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](http://www.braskem.com)

	<b>Raw Material Product Data Sheet</b>	
	<b>Product Name:</b> MRPBK01	<b>Revision #:</b> A
	<b>Revision Date</b>	August 14, 2019
	<b>Effective Date</b>	October 14, 2019

**Product Name:**

MRPBK01

**Product Description:**

FDA Compliant black 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 71,1 8,9 63,5	20.0 2.8 0.35 2.25
Minimum Width Width Tolerance		25,4 mm ± 1,6 mm	1.0 inch ± 1/16

#### Properties

Water Vapor Transmission (WVTR)	Essentially Zero
Gas (O <sub>2</sub> ) (GTR)	Essentially Zero

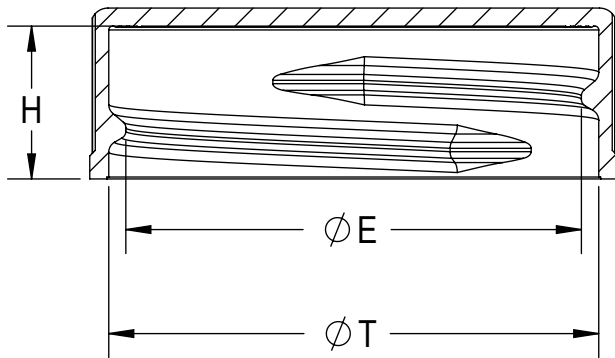
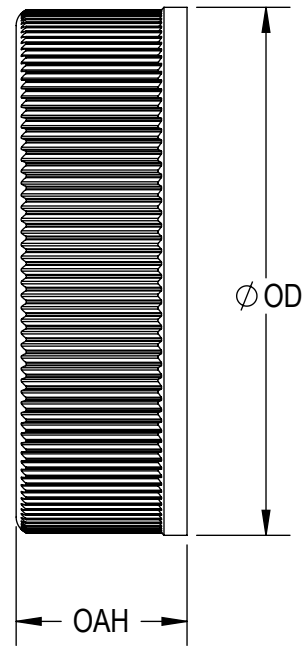
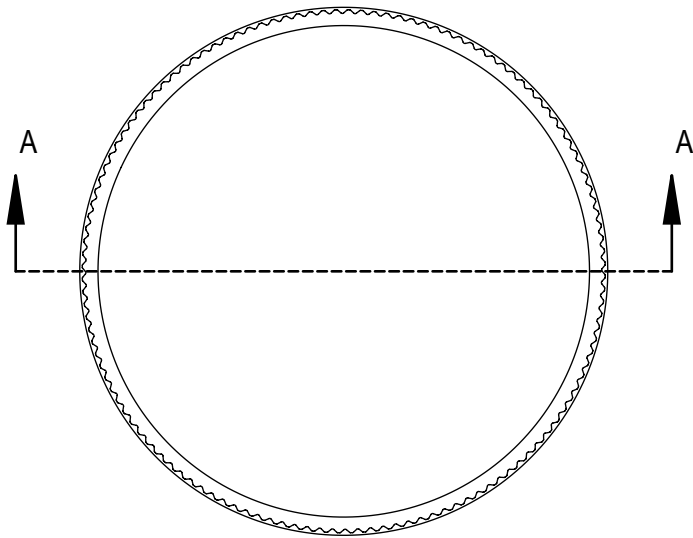
#### Regulatory Compliance

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  
SCALE 2 : 1

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

REFERENCE	TOLERANCE	UNITS	DIMENSION
E	±0.010 [0.25]	in [mm]	1.182 [30.02]
T	±0.010 [0.25]	in [mm]	1.276 [32.41]
H	±0.010 [0.25]	in [mm]	0.398 [10.11]
OAH	±0.010 [0.25]	in [mm]	0.445 [11.3]
OD	±0.010 [0.25]	in [mm]	1.375 [34.93]
PART WEIGHT	±0.30	g	2.10

STATIC TORQUE RECOMMENDATION  
15-25 in-lbs  
THIS REQUIREMENT MAY VARY DEPENDING  
UPON BOTTLE MATERIAL, NECK FINISH, AND  
CAPPING EQUIPMENT

DRAWING TYPE : CUSTOMER

REPLACES DRAWINGS:  
C-3007

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

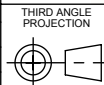
TOLERANCES UNLESS OTHERWISE SPECIFIED

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

33-400 CT  
RS (RIBBED SIDES, SMOOTH TOP)

DRAWING NUMBER

CQA - 10040

MATERIAL

POLYPROPYLENE

MODEL NUMBER:

PM 10674 33-400 CT

DRAWN BY:

DAS

4/6/2017

ENG APPR.

JDM

5/5/2017

QA APPR.

ADP

05/05/2017

SCALE

1:1

SHEET SIZE

8.5in\*11in

SHEET

1 of 3

REV/ NP

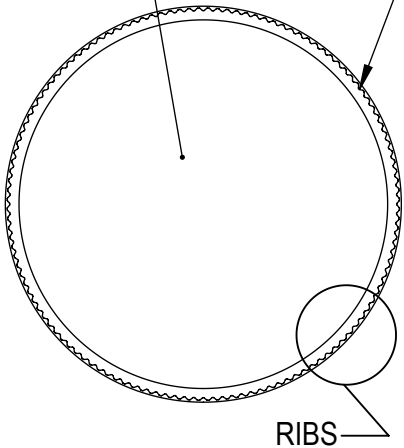
00.AA

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  
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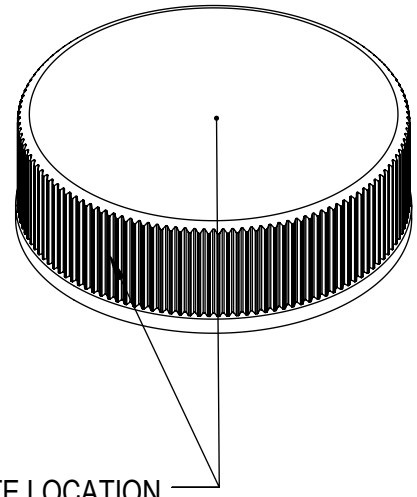
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REVISIONS						
DATE	REV	N/P	PRODUCT DRAWING REQUEST	DESCRIPTION	ENG	DRW
04/03/2017	00	AA	17-019	UPDATED DRAWING FORMAT	BDG	DAS

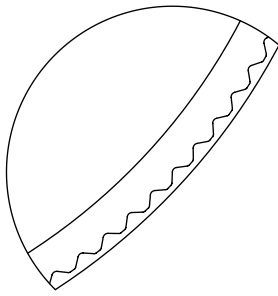
SMOOTH TOP      RIBBED SIDES



RIBS



OPTIONAL GATE LOCATION  
(SEE TABLE BELOW)



DETAIL RIBS  
SCALE 5 : 1

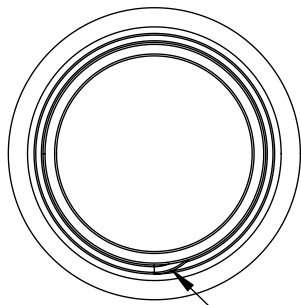
MOLD NUMBER	GATE LOCATION
33001	SIDE
33003	SIDE
33010	SIDE
33014	TOP CENTER

DRAWING TYPE : CUSTOMER			
REFERENCES: 33001, 33003, 33010, 33014		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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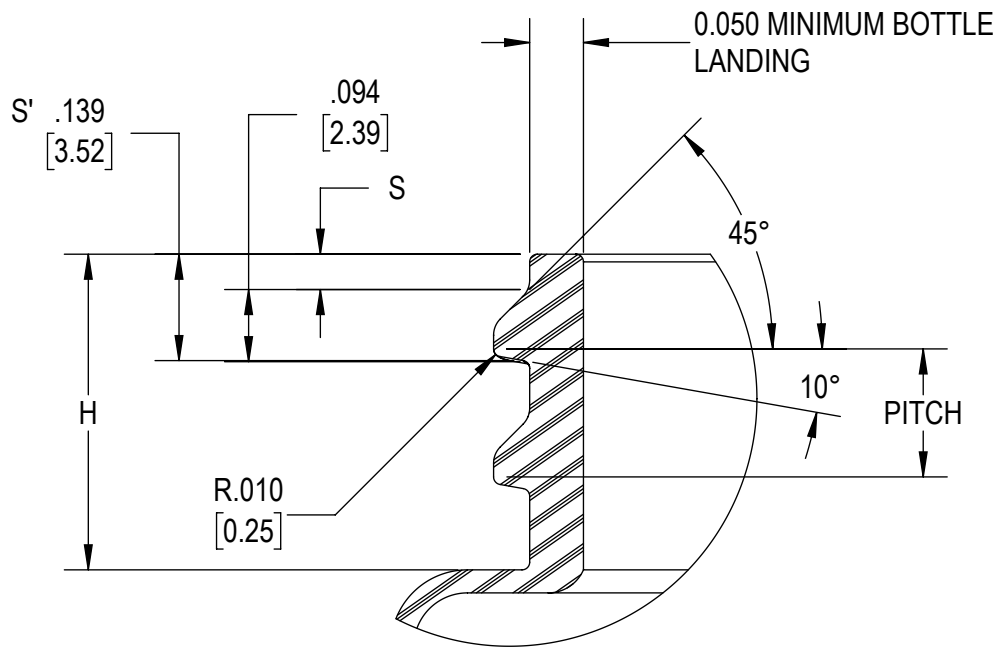
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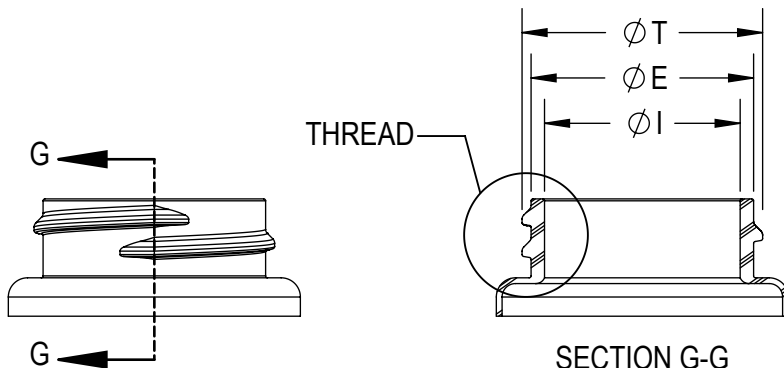
THIRD ANGLE PROJECTION		DISTRIBUTION CODE <b>D</b>		DRAWING NAME <b>33-400 CT RS (RIBBED SIDES, SMOOTH TOP)</b>			
DRAWN BY: DAS		4/6/2017		DRAWING NUMBER <b>CQA - 10040</b>			
MATERIAL POLYPROPYLENE		MODEL NUMBER: PM 10674 33-400 CT		SCALE 3:2		SHEET SIZE 8.5 X 11	
ENG APPR. JDM		5/5/2017		SHEET 2 of 3		REV.NP 00.AA	
QA APPR. ADP		05/05/2017					



THREAD START



DETAIL THREAD  
SCALE 4 : 1



SECTION G-G

REFERENCE	TOLERANCE	UNITS	DIMENSION
E	±0.012 [0.30]	in [mm]	1.159 [29.44]
T	±0.012 [0.30]	in [mm]	1.253 [31.83]
I	MINIMUM	in [mm]	0.791 [20.09]
S	±0.015 [0.38]	in [mm]	0.046 [1.17]
H	±0.015 [0.38]	in [mm]	0.403 [10.24]
PITCH		in [mm]	0.167
TPI			6

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



D

DRAWING NAME

33-400 CT  
RECOMMENDED NECK FINISH

DRAWING NUMBER

CQA - 10040

DRAWN BY.

DAS

4/6/2017

MATERIAL

ENG APPR.

JDM

5/5/2017

MODEL NUMBER:

QA APPR.

ADP

05/05/2017

SCALE

1:1

SHEET SIZE

8.5 X 11

SHEET

3 of 3

REV/N/P

00.AA

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