



## Polypropylene **FPT300F**

Sub-group  
Homopolymer

Description  
Good mold release, excellent part finish (low bloom)

Applications  
Suggested uses include housewares, caps and closures, cups, thin-walled containers

Control Properties:	ASTM Method	Units	Values
Nominal Melt Flow Rate (230°C/2.16kg)	D-1238	g/10 min	30

Typical Properties:	ASTM Method	Units	Values
Tensile Strength at Yield (2 in/min, 50 mm/min)	D-638	psi(MPa)	4,800(33)
Elongation at Yield (2 in/min, 50 mm/min)	D-638	%	10
Flexural Modulus (0.05 in/min, 1.3 mm/min, 1% secant)	D-790A	psi(MPa)	200,000(1,379)
Notched Izod Impact Strength at 23°C	D-256A	ft-lbs/in(J/m)	0.7(37)
Rockwell Hardness	D-785	R	104

### Final Remarks

1. This resin meets the requirements for olefin polymers as defined in 21 CFR, section 177.1520 issued by the Food and Drug Administration. The additives present meet the applicable regulations.
2. This information reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product.
3. In some applications, Braskem has developed tailor-made resins to reach specific requirements.
4. In case of doubt regarding utilization, or for other applications, please contact Technical Service.
5. The values in this report can be modified without prior communication from Braskem.
6. Braskem polyolefin products do not have additives with heavy metals or organotin-based materials.

Revision Date:  
6/13/2013  
[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.*



# 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.

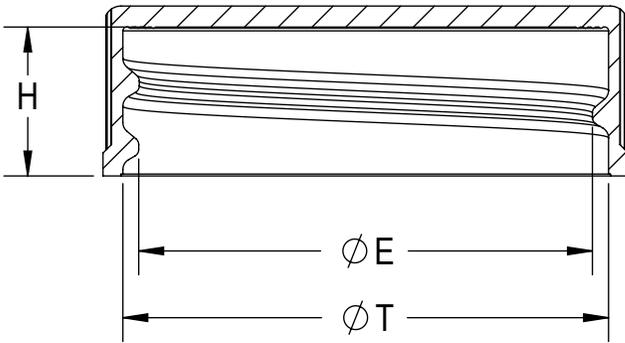
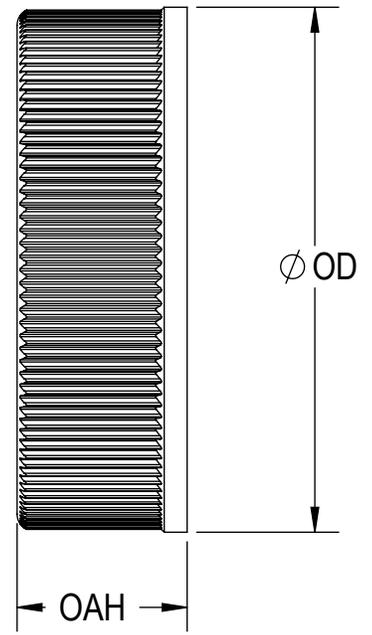
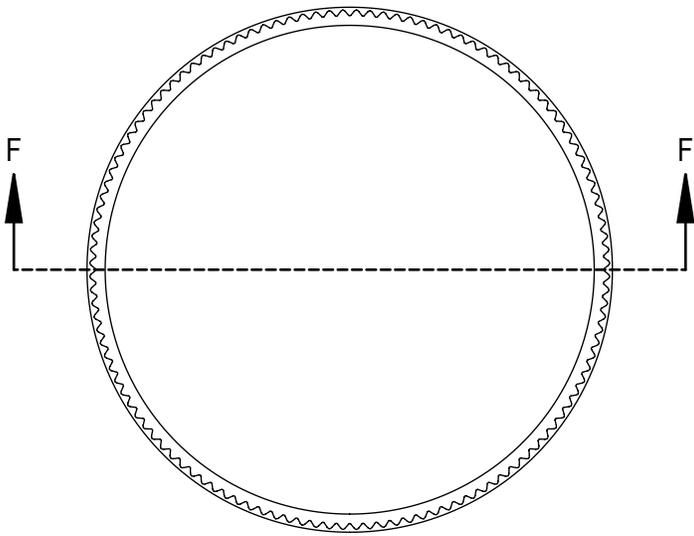
**Typical Properties:** This specification, designated by Mold-Rite Plastics, includes all liners that meet the typical value data listed below:

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.

Rev. 071818



SECTION F-F  
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]	1.271 [32.28]
H	±0.010 [0.25]	in [mm]	0.391 [9.93]
OAH	±0.010 [0.25]	in [mm]	0.440 [11.18]
OD	±0.015 [0.38]	in [mm]	1.373 [34.87]
PART WEIGHT	±0.30	grams	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-5007

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

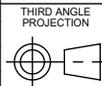
TOLERANCES UNLESS OTHERWISE SPECIFIED

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  
RMX (RIBBED SIDE, MATTE TOP)**

DRAWING NUMBER  
**CQA - 10721**

MATERIAL  
**POLYPROPYLENE**

MODEL NUMBER:  
**PM 10674 33-400 CT**

DRAWN BY: DAS 4/6/2017

ENG APPR: CAN 3/20/2020

QA APPR: DMG 03/24/2020

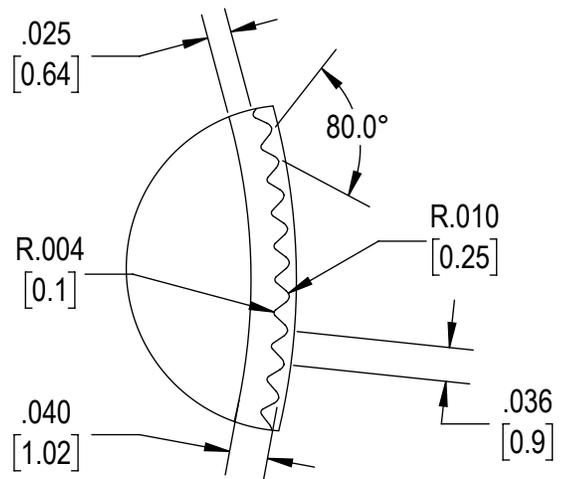
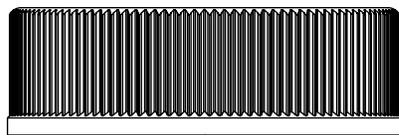
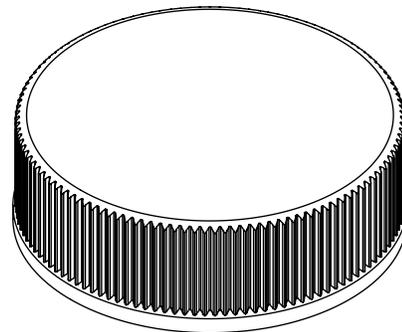
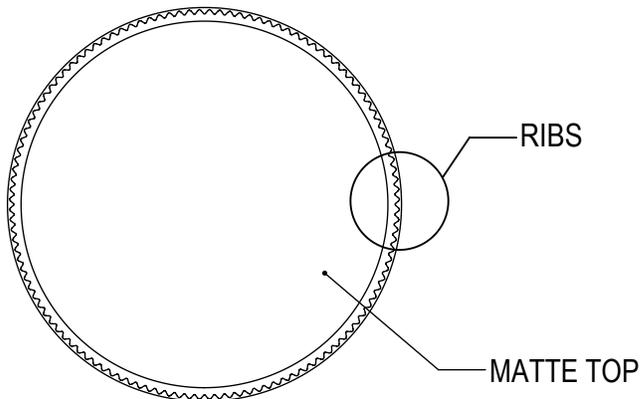
SCALE	SHEET SIZE	SHEET	REV/ NP
1:1	8.5in*11in	1 of 3	00.AC

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  
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REVISIONS

DATE	REV	N/P	PRODUCT DRAWING REQUEST	ZONE	DESCRIPTION	ENG	DRW
04/03/2017	00	AA	17-019		UPDATED DRAWING FORMAT	BDG	DAS
11/01/2018	00	AB			DRAWING UPDATED TO REFLECT HISTORICAL RUN DATA & PROCESS CAPABILITY. NO CHANGES TO THE STEEL OR PART HAVE OCCURRED	BDG	AMK
3/19/2020	00	AC			UPDATED RNF H TO 0.408 MINIMUM	CAN	CAN
9/2/2021	00	AD			ADDED RIB DETAIL VIEW TO PAGE 2	BDG	CRS



DETAIL RIBS  
SCALE 5 : 1  
(120) EQUISPACED RIBS

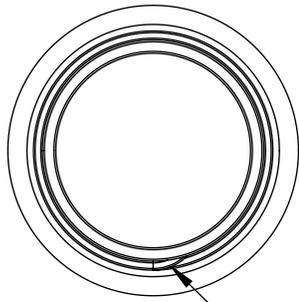
DRAWING TYPE : CUSTOMER			
REFERENCES: 33009		DIMENSIONS ENCLOSED IN ( ) INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED	
TOLERANCES UNLESS OTHERWISE SPECIFIED			
DIMENSION (inches)	TOLERANCE	DIMENSION (mm)	TOLERANCE
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ANGULAR TOLERANCE ± 2°			
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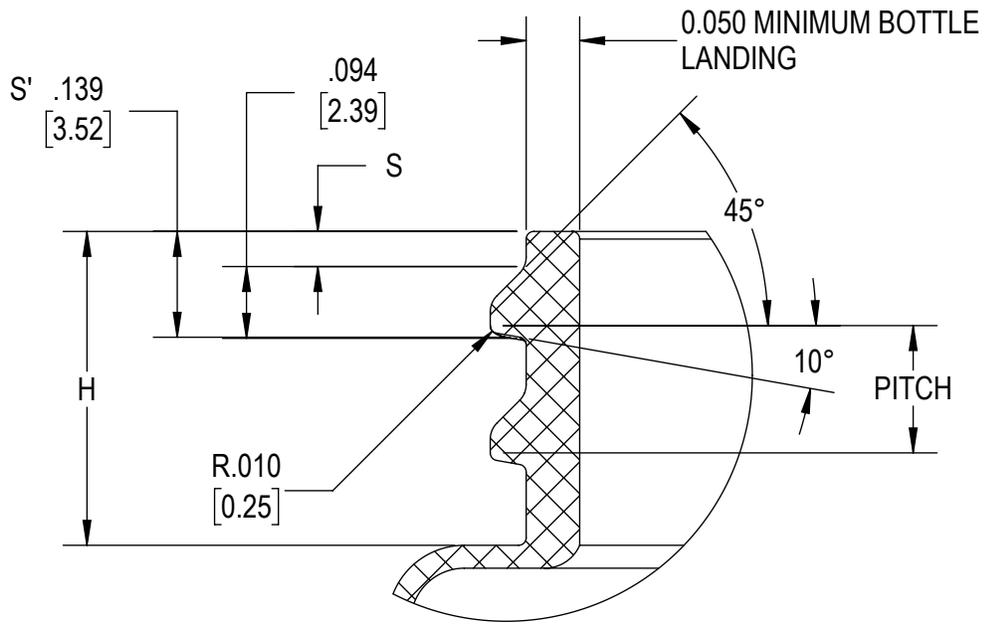
THIRD ANGLE PROJECTION	DISTRIBUTION CODE <b>D</b>	DRAWING NAME <b>33-400 CT RMX (RIBBED SIDE, MATTE TOP)</b>	
		DRAWING NUMBER <b>CQA - 10721</b>	
DRAWN BY: DAS 4/6/2017		MATERIAL <b>POLYPROPYLENE</b>	
ENG APPR: CAN 3/20/2020		MODEL NUMBER: <b>PM 10674 33-400 CT</b>	
QA APPR: DMG 03/24/2020	SCALE <b>3:2</b>	SHEET SIZE <b>8.5 X 11</b>	SHEET <b>2 of 3</b>
		REV.NP <b>00.AC</b>	

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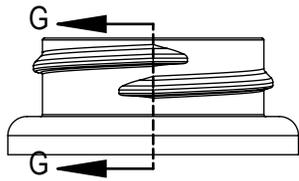
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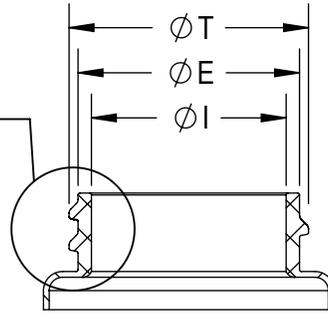
THREAD START



DETAIL THREAD  
SCALE 4 : 1



THREAD



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	MINIMUM	in [mm]	0.408 [10.36]
PITCH		in	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

DISTRIBUTION CODE

D

DRAWING NAME

33-400 CT  
RECOMMENDED NECK FINISH

DRAWING NUMBER

CQA - 10721

DRAWN BY:

DAS

4/6/2017

MATERIAL

ENG APPR.

CAN

3/20/2020

MODEL NUMBER:

QA APPR.

DMG

03/24/2020

SCALE

1:1

SHEET SIZE

8.5 X 11

SHEET

3 of 3

REV/N/P

00.AC

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