



FPT300F

Homopol mer
Pol prop lene

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

Propert	Units	T pical Value	Test Metho
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 an other information relating to han ling of
an e posture to this pro uct, please see material safet
ata sheet co e number C4001 publishe b 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.



PRODUCT DATA SHEET

PRESSURE SEAL

MRP Description – (023)PS22.020 B SFYP

PRODUCT DESCRIPTION

Description: A polystyrene foam coated with a pressure sensitive coating.

FDA Status: Complies with Federal Regulations of H.E.W., FDA, Sections 175.125, 175.300, 177.1640, 178.3010, and 178.3710. It is entered in SANCAP's food master file FMF 166 and drug file DMF 2518.

PHYSICAL AND CHEMICAL PROPERTIES

- | | |
|---|--------------------------|
| 1. Color | White - Plain or Printed |
| 2. Thickness, mils | |
| (a) Overall | 20.0 - 25.0 |
| (b) Wax | 2.0 - 3.0 |
| (c) Foam | 18.0 - 22.0 |
| 3. Basis Wt. Lbs./Ream 3000 ft² | |
| (a) Overall | 92.46 - 120.12 |
| (b) Wax | 25.46 - 38.12 |
| (c) Foam | 67.00 - 82.00 |
| 4. Gas Transmission: cc/cin²/24hrs/1atm | |
| (a) Oxygen | 109.68 |
| 5. Water Vapor Transmission | |
| (a) gm/cin ² /24hrs/100°F/90%RH | 0.27 |
| 6. Melting Point of | 170 - 180 |
| 7. Softening Point of | 148 - 152 |

RECOMMENDED STORAGE CONDITIONS

The material should be stored in well-ventilated area (temp. 60° - 80°F.; RH - 40% - 60%). Material and lined closures are heat and pressure sensitive. Storage or shipping temperatures should not be in excess of 105°F. Blocking may result. If material becomes chilled, it should be stored under the recommended conditions until stabilized. Avoid storing closure liner materials over 60 days.

SUGGESTED PRODUCT USES

Material is a styrene foam inner seal coated with a torque activated coating. It has adhesion to glass and plastic bottles with metal or plastic caps. Sealing properties should be checked after being sealed for 12 hours.

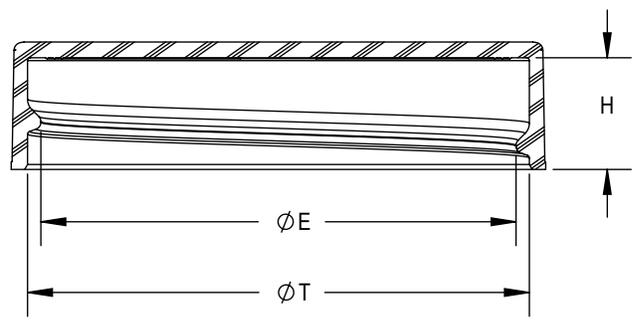
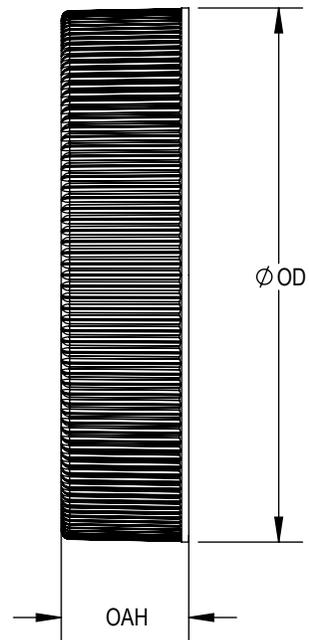
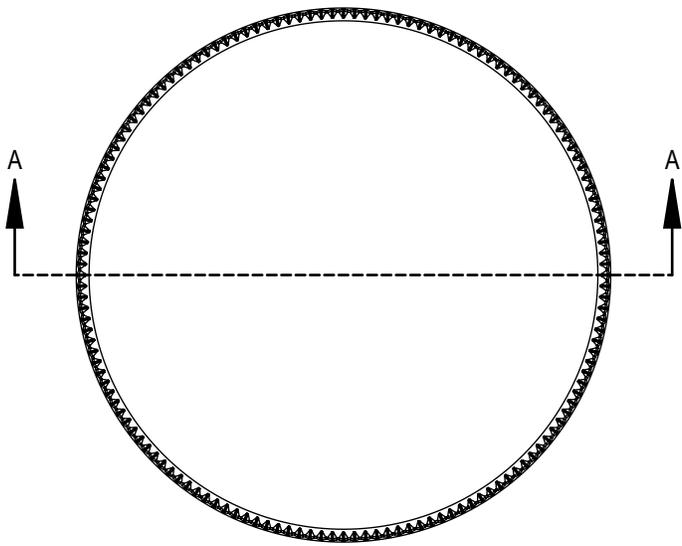
Dry Products	Spices
Candy	Syrup

Product applications listed above are a partial listing and do not cover all suitable applications. These are recommendations for general categories and user must test for suitability for his specific product. Not suitable for products containing oil.

The technical information and suggestions for use made herein are based on SANCAP research and experience and are believed to be reliable, but such information and suggestions do not constitute a warranty, and no patent liability can be assumed. Since SANCAP has no control over the conditions under which the product is transported, stored, handled, used or applied, buyer must determine for himself, by preliminary tests or otherwise, the suitability of the product for his purposes. All products are sold subject to SANCAP's written warranty, which is in lieu of all other warranties or merchantability and fitness for a particular purpose. SANCAP's liability on any basis is limited to the price of the product used.

File:Pressure Seal
11/05/03

SPD Rev. 4 (02)



SECTION A-A

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

REFERENCE	TOLERANCE	UNITS	DIMENSION
E	±0.010 [0.25]	in [mm]	1.656 [42.06]
T	±0.010 [0.25]	in [mm]	1.752 [44.50]
H	±0.010 [0.25]	in [mm]	0.390 [9.91]
OD	±0.012 [0.30]	in [mm]	1.865 [47.37]
OAH	±0.010 [0.25]	in [mm]	0.445 [11.30]
PART WEIGHT	± 0.50	g	3.90

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

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

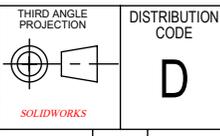
REPLACES DRAWINGS:
C-3010

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
RS (Ribbed Side - Smooth Top)

DRAWING NUMBER
CQA - 10301

MATERIAL
POLYPROPYLENE

DRAWN BY: JDM 6/3/2016

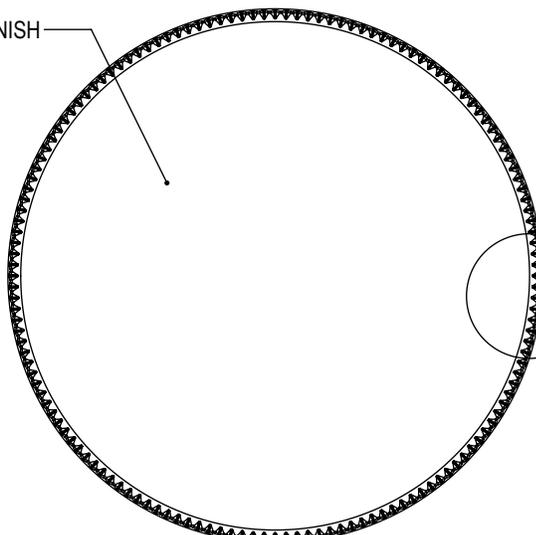
ENG APPR: BDG 8/17/2017

QA APPR: REL 09/05/2017

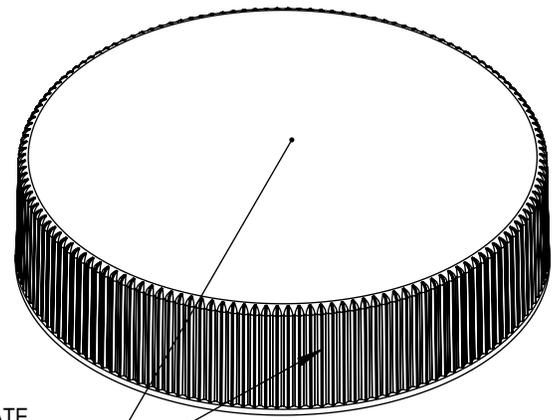
SCALE	SHEET SIZE	SHEET	REV.NP
1:1	8.5in*11in	1 of 3	00.AC

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-3010 FOR REVISION HISTORY	JDM	JDM
5/5/2017	00	AB		ADDED GATE LOCATION OPTION	JDM	JDM
7/27/17	00	AC	PDR 17-035	UPDATED OD TOLERANCE, T DIMENSION AND PART WEIGHT BASED ON HISTORICAL DATA	BDG	DAS

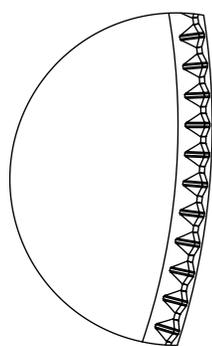
SMOOTH FINISH



RIBS



OPTIONAL GATE LOCATIONS
(SEE TABLE BELOW)



152 EQUALLY SPACED RIBS
DETAIL RIBS
SCALE 4 : 1

MOLD NUMBER	GATE LOCATION
45001	SIDE
45002	SIDE
45003	SIDE
45005	SIDE
45007	SIDE
45011	TOP CENTER

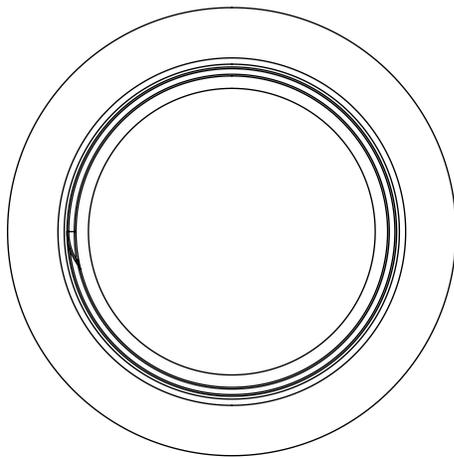
DRAWING TYPE : CUSTOMER			
REFERENCES: 45001, 45002, 45003, 45005, 45007, 45011		DIMENSIONS ENCLOSED IN () INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED	
TOLERANCES UNLESS OTHERWISE SPECIFIED			
DIMENSION (inches)	TOLERANCE	DIMENSION (mm)	TOLERANCE
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0.788-1.181	±0.008	21-30	±0.203
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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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THIRD ANGLE PROJECTION	DISTRIBUTION CODE	DRAWING NAME	
	D	45-400 CT CLOSURE RS (Ribbed Side - Smooth Top)	
DRAWN BY: JDM 6/3/2016		DRAWING NUMBER: CQA - 10301	
MATERIAL: POLYPROPYLENE		MODEL NUMBER: PM 10297 45-400 CT	
ENG APPR: BDG 8/17/2017	QA APPR: REL 09/05/2017	SCALE: 1:1	SHEET: 2 of 3
		SHEET SIZE: 8.5 X 11	REV.NP: 00.AC

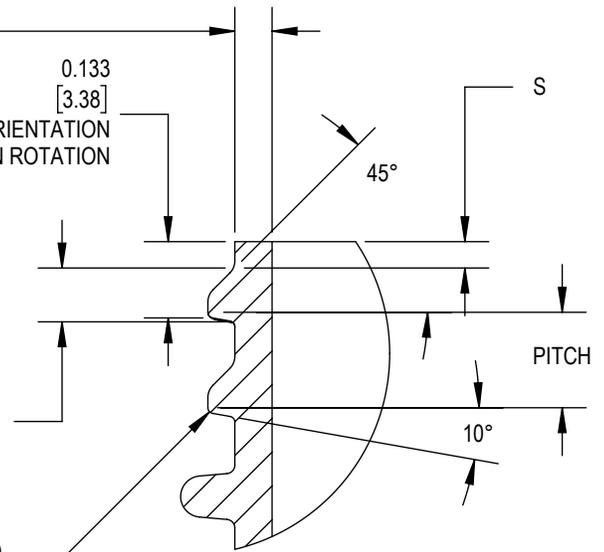


MINIMUM NECK LANDING
OF 0.050"

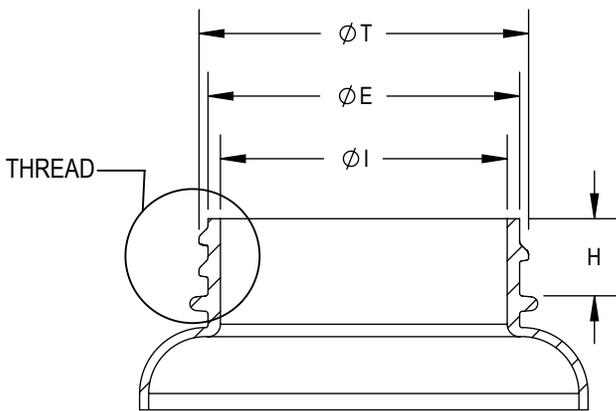
0.133
[3.38]
S' - CRITICAL FOR ORIENTATION
0.001" = 2 IN ROTATION

0.094
[2.39]

R0.010
[0.25]



DETAIL THREAD
SCALE 3 : 1



SECTION C-C
SCALE 1 : 1

REFERENCE	TOLERANCE	UNITS	DIMENSION
E	± 0.017 [0.43]	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

TOLERANCES UNLESS OTHERWISE SPECIFIED

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DRAWING NAME
**45-400 CT CLOSURE
RECOMMENDED NECK FINISH**
DRAWING NUMBER
CQA - 10301

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.AC

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