



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: MRPBK01	Revision #: A
	Revision Date	August 14, 2019
	Effective Date	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.



PRODUCT DATA SHEET

HS035 N/20 LD Foam

MRP Description -

(21N)HS035N/20LD.020 FOAM PRT R SFYP

PRODUCT DESCRIPTION

Description: A paper-backed aluminum foil coated with a clear heat sealable coating blend of high molecular weight ethylene and vinyl acetate copolymers on the foil, laminated to low dense polystyrene foam.

FDA Status: Complies with Federal Regulations of H.E.W., FDA, Sections 175.105, 175.300, 176.170, 176.180, 177.1350, 177.1640, 178.3010, 178.3710, and 182.1.

PHYSICAL AND CHEMICAL PROPERTIES

1. Color	Aluminum
2. Thickness, mils	
(a) Overall	21.22 - 27.11
(b) Heat Seal	1.50 - 3.0
(c) Aluminum	0.31 - 0.38
(d) Paper (N)	1.41 - 1.73
(e) Polystyrene Foam	18.00 - 22.00
3. Basis Wt. Lbs./Ream 3000 ft²	
(a) Overall	94.44 - 141.51
(b) Heat Seal	20.7 - 41.9
(c) Aluminum	13.3 - 16.2
(d) Paper (N)	20.79 - 21.21
(e) Polystyrene Foam	39.65 - 62.20
4. Heat Seal Coating	
(a) Melting Point °F	150 - 160
(b) Blocking Point °F	130 - 135
5. Gas Transmission: cc/cin²/24hrs/1atm	
(a) Oxygen	near zero
6. Water Vapor Transmission	
a) gm/cin ² /24 hrs/100° F/90% RH	near zero

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 sensitive. Storage or shipping temperatures should not be in excess of 105°F. Curling, blocking, splitting or foil separation may result. If material becomes chilled, it should be stored under the recommended conditions until stabilized. Avoid storing closure liner materials over 60 days. Metal foil is prone to corrosion.

SUGGESTED PRODUCT USES

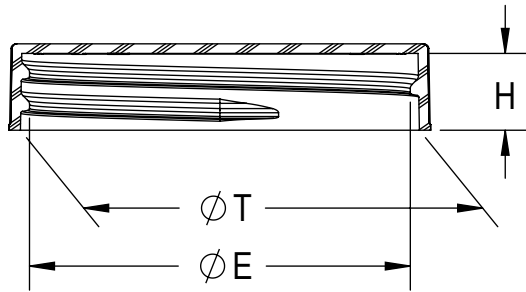
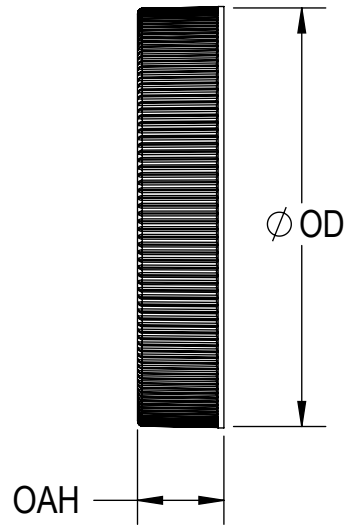
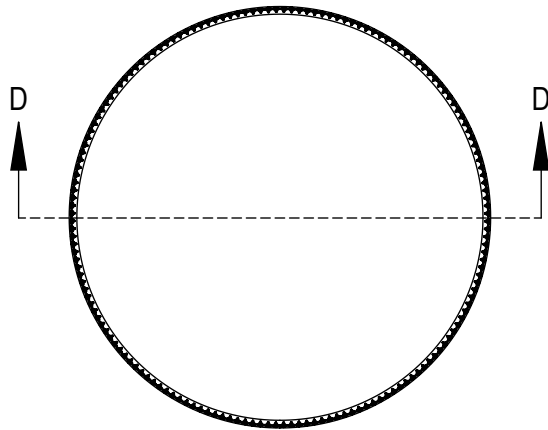
Material is a heat sealable tamper indicating innerseal which can be used for over-the-counter drug products on Polyethylene, Glass, PET, PVC, Polystyrene and Polypropylene.

Dry Products

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:HS035N/20 LDF
01/11/05



SECTION D-D

THREAD DETAIL INFORMATION
6 THREADS PER INCH, 0.167 PITCH

REFERENCE	TOLERANCE	DIMENSION	UNITS
E	±0.015 [0.38]	1.984 [50.39]	in [mm]
T	±0.015 [0.38]	2.078 [52.78]	in [mm]
H	±0.010 [0.25]	0.400 [10.16]	in [mm]
OAH	±0.010 [0.25]	0.450 [11.43]	in [mm]
OD	±0.015 [0.38]	2.195 [55.75]	in [mm]
PART WEIGHT	± 0.80	4.50	g

STATIC TORQUE RECOMMENDATION
21-36 in-lbs
THIS REQUIREMENT MAY VARY DEPENDING UPON BOTTLE MATERIAL, NECK FINISH, AND CAPPING EQUIPMENT

DRAWING TYPE : **CUSTOMER**

REPLACES DRAWINGS: C-3012
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

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.

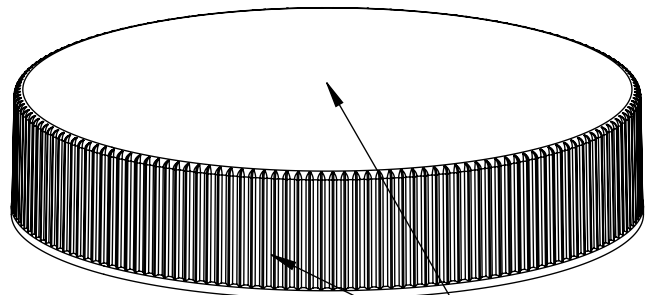
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ANGULAR TOLERANCE ± 2°
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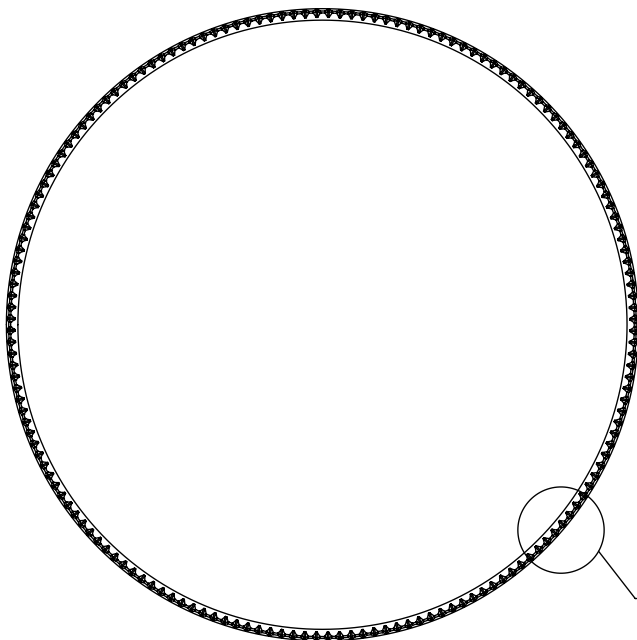


THIRD ANGLE PROJECTION	DISTRIBUTION CODE	DRAWING NAME			
		53-400 CT RS (RIBBED SIDE, SMOOTH TOP)			
DRAWN BY: DAS	DATE: 03/01/2017	DRAWING NUMBER			
		CQA - 10510			
ENG APPR: JDM	DATE: 4/4/2018	MATERIAL			
QA APPR: REL	DATE: 05/02/2018	POLYPROPYLENE			
SCALE: 1:1		SHEET SIZE: 8.5 X 11		SHEET: 1 of 3	
REV.NP: 00.AB		MODEL NUMBER: PM 10504 53-400 CT			

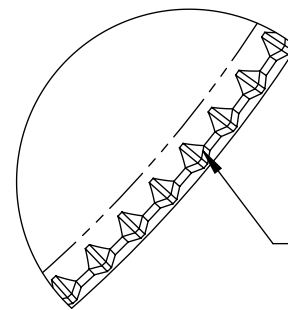
REVISIONS					
DATE	REV.	N/P	DESCRIPTION	ENG	DRW
3/1/2017	00	AA	UPDATED DRAWING FORMAT AND ASSIGNED NEW DRAWING NUMBER	JDM	DAS
8/16/2017	00	AB	ADDED GATE LOCATION TABLE. SPECIFICATIONS UPDATED BASED ON PRODUCTION CAPABILITY.	JDM	DAS



SEE TABLE FOR GATE LOCATION



RIBS



175 EQUALLY SPACED RIBS

DETAIL RIBS
SCALE 6 : 1

MOLD NUMBER	GATE LOCATION
53001	SIDE
53006	SIDE
53008	SIDE
53013	TOP

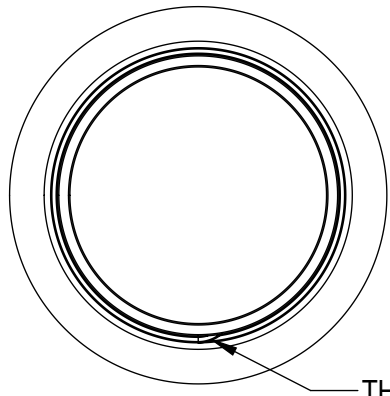
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REFERENCES: 53001, 53006, 53008, 53013		DIMENSIONS ENCLOSED IN () INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED	
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7.875-9.843	±0.032	201-250	±0.813
ANGULAR TOLERANCE ± 2°			
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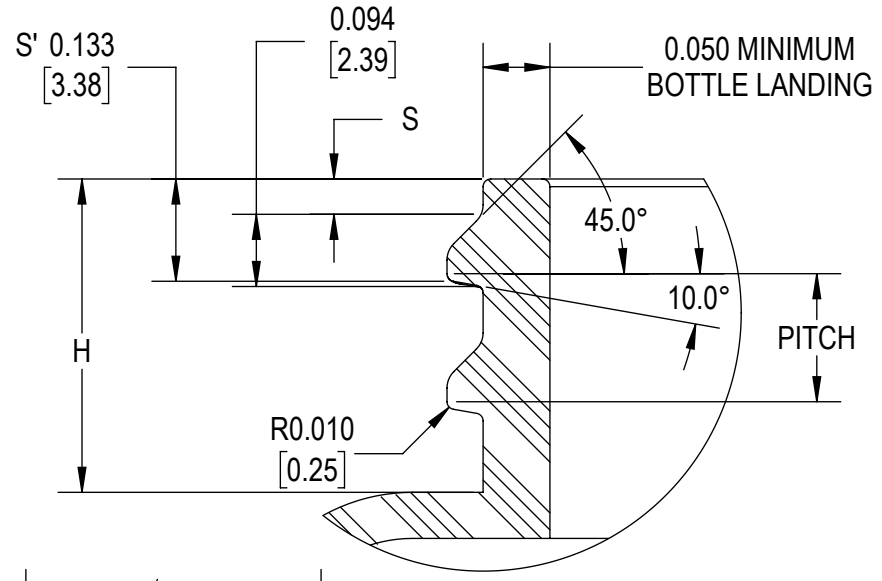
THIRD ANGLE PROJECTION		DISTRIBUTION CODE		DRAWING NAME			
		D		53-400 CT RS (RIBBED SIDE, SMOOTH TOP)			
DRAWN BY: DAS		03/01/2017		DRAWING NUMBER			
ENG APPR: JDM		4/4/2018		CQA - 10510			
QA APPR: REL		05/02/2018		MATERIAL			
				POLYPROPYLENE			
				MODEL NUMBER:			
				PM 10504 53-400 CT			
				SCALE	SHEET SIZE	SHEET	REV.NP
				3:2	8.5" X 11"	2 of 3	00.AB

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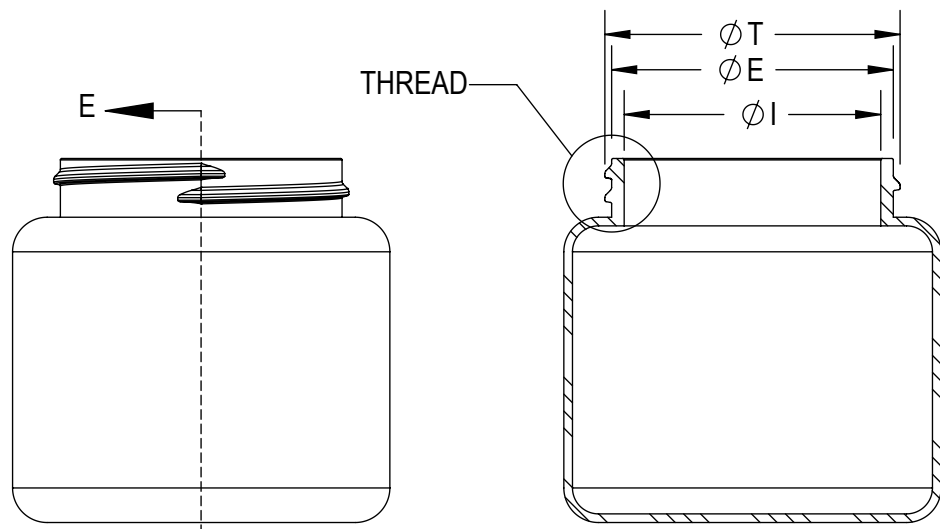
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THREAD START



DETAIL THREAD
SCALE 4 : 1



SECTION E-E

REFERENCE	TOLERANCE	UNITS	DIMENSION
E	±0.017 [0.43]	in [mm]	1.956 [49.68]
T	±0.017 [0.43]	in [mm]	2.050 [52.07]
I	MIN	in [mm]	1.578 [40.08]
S	±0.015 [0.38]	in [mm]	0.046 [1.17]
H	MIN	in [mm]	0.425 [10.80]
PITCH		in [mm]	6
TPI			0.167

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.

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DRAWING TYPE : CUSTOMER

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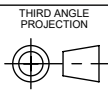
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ANGULAR TOLERANCE ± 2°

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DISTRIBUTION CODE
D

DRAWING NAME
53-400 CT RECOMMENDED NECK FINISH

DRAWING NUMBER
CQA - 10510

DRAWN BY: DAS 03/01/2017

MATERIAL

ENG APPR: JDM 4/4/2018

MODEL NUMBER:

QA APPR: REL 05/02/2018

SCALE	SHEET SIZE	SHEET	REV/N/P
3:4	8.5X11	3 of 3	00.AB