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

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

	Raw Material Product Data Sheet	
MOLD-RITE PLASTICS Innovative • Reliable • Responsive	**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

Typical Properties	Typical Value
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	☒ Compliant	☐ Not

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	☒ Compliant	☐ Not
CONEG, Model Toxics in Packaging Legislation	☒ Compliant	☐ Not
EU 2015/863, as regards the list of restricted substances, RoHS	☒ Compliant	☐ Not

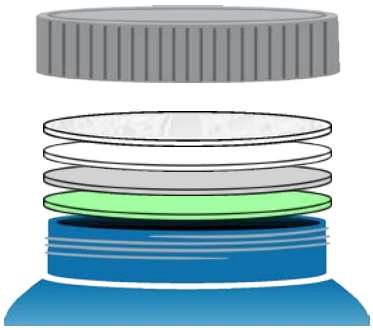
For further regulatory information, please contact Mold Rite Plastic's customer service or sales department.

HS 035 HEAT SEAL/20F

- 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

		SI (µm)	US (Mils)
Polystyrene Foam		508,0	20.0
Paper		71,1	2.8
Aluminum Foil		8,9	0.35
Heat Seal		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

Tri-Seal
a Tekni-Plex company
16125 Armour St. N.E.
Alliance, OH 44601
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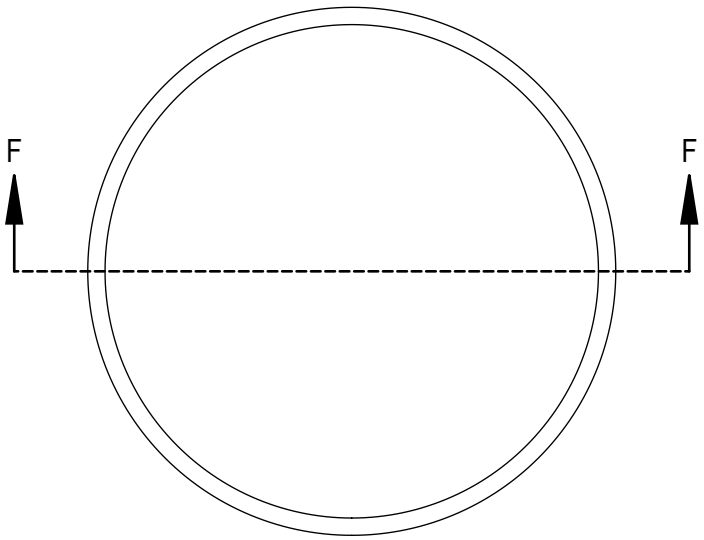
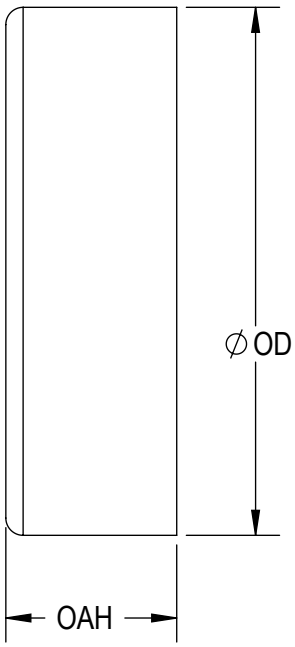
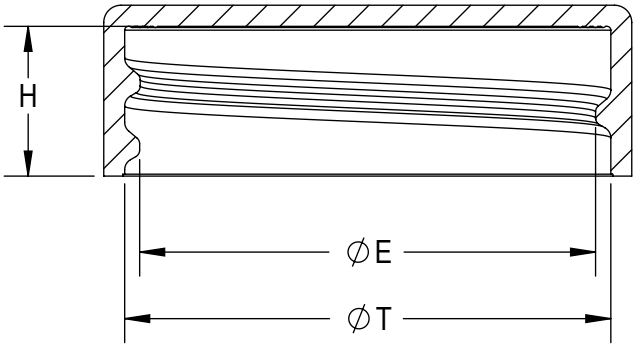
www.tri-seal.tekni-plex.com







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]	1.276 [32.41]
H	±0.010 [0.25]	in [mm]	0.388 [9.86]
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		2.30

STATIC TORQUE RECOMMENDATION
15-25 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.

MOLD-RITE, WEATHERCHEM AND STULL TECHNOLOGIES RESERVES THE RIGHT TO REVISE ANY OR ALL SPECIFICATIONS AND REQUIREMENTS.

DRAWING TYPE : CUSTOMER

REPLACES DRAWINGS:
C-1007

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°

PROPRIETARY AND CONFIDENTIAL

MRP MOLD-RITE PLASTICS®
Innovative • Reliable • Responsive

THIRD ANGLE PROJECTION

SOLIDWORKS

DISTRIBUTION CODE: D

DRAWING NAME: 33-400 CT
SS (SMOOTH SIDE, SMOOTH TOP)

DRAWING NUMBER: CQA - 10741

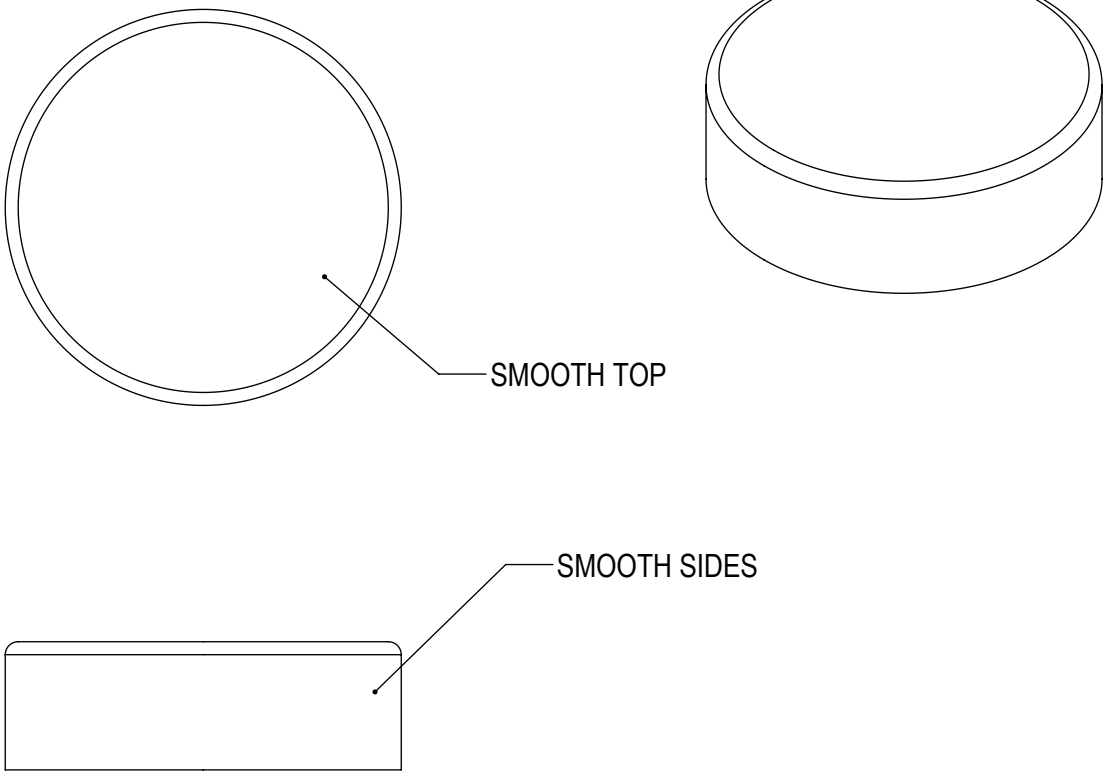
DRAWN BY.	DAS	4/6/2017
ENG APPR.	BDG	7/5/2017
QA APPR.	REL	07/31/2017

MATERIAL: POLYPROPYLENE

MODEL NUMBER: PM 10674 33-400 CT

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

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



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DRAWING TYPE : CUSTOMER

REFERENCES:
33010, 33014, 33020

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

TOLERANCES UNLESS OTHERWISE SPECIFIED

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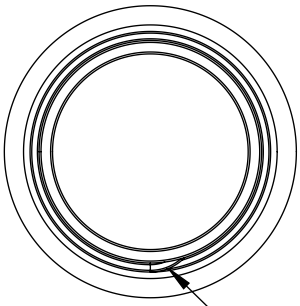
ENG APPR.	BDG	7/5/2017
QA APPR.	REL	07/31/2017

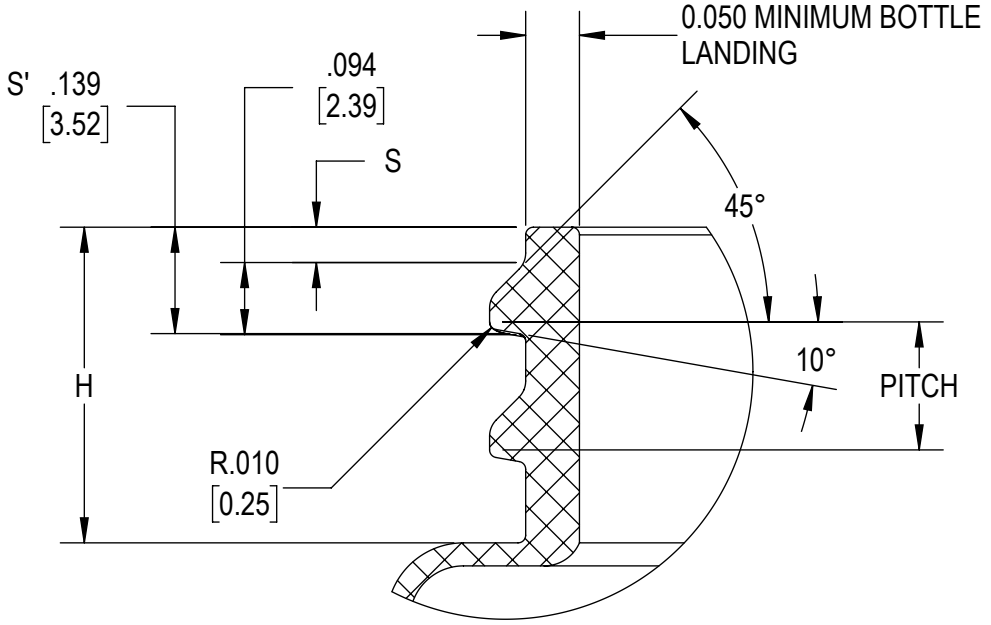
MATERIAL: POLYPROPYLENE

MODEL NUMBER: PM 10674 33-400 CT

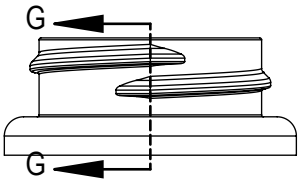
SCALE	SHEET SIZE	SHEET	REV.NP
3:2	8 .5 X 11	2 of 3	00.AA

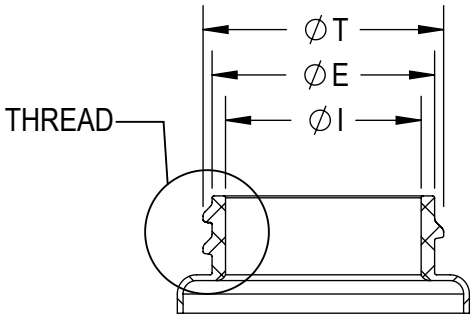


THREAD START



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.

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DRAWING TYPE : CUSTOMER

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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	D
DRAWN BY.	DAS	4/6/2017	
ENG APPR.	BDG	7/5/2017	
QA APPR.	REL	07/31/2017	

DRAWING NAME: 33-400 CT RECOMMENDED NECK FINISH

DRAWING NUMBER: CQA - 10741

MATERIAL

MODEL NUMBER:

SCALE	SHEET SIZE	SHEET	REV.N/P
1:1	8 .5 X 11	3 of 3	00.AA