



# 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.*



Freshness and Protection for Today's Packaging

# FoilSeal™ Technical Data Sheet

**.008" C1S FS 5-10**

Revision: FS510-08272014

MRP Description - (510)FS5-10/C1S.008 PB PL

<b>Product</b>	.008" C1S FS 5-10																	
<b>Scope</b>	One piece board backed heat induction foil innerseal which combines ease of removal with tamper-evident properties. It will seal to all, standard container materials and will allow internal pressure to vent through the paper layer.																	
<b>Composition</b>	<table border="1"> <thead> <tr> <th>Material</th> <th>Standard</th> <th>Metric</th> </tr> </thead> <tbody> <tr> <td>Backing</td> <td>.008"</td> <td>.2032 mm</td> </tr> <tr> <td>Foil</td> <td>.001"</td> <td>.0254 mm</td> </tr> <tr> <td>Paper</td> <td>.005"</td> <td>.127 mm</td> </tr> <tr> <td>Heat Seal</td> <td>.0015"</td> <td>.0381 mm</td> </tr> </tbody> </table>	Material	Standard	Metric	Backing	.008"	.2032 mm	Foil	.001"	.0254 mm	Paper	.005"	.127 mm	Heat Seal	.0015"	.0381 mm		
Material	Standard	Metric																
Backing	.008"	.2032 mm																
Foil	.001"	.0254 mm																
Paper	.005"	.127 mm																
Heat Seal	.0015"	.0381 mm																
Adhesive or resin bonding layers not shown.																		
<b>FDA Status:</b> 21 CFR 177.1210	<b>Recommended Storage and Handling:</b> Refer to Website.																	
<b>Drug Master File (DMF):</b> #4544	<b>EU / EP Reg.:</b> Does not meet Article 3a of Reg. No. 2023/2006 and Article 3 of Reg. No. 1935/2004.																	
<b>GTR Oxygen:</b> 122.1 cc Oxygen/100 IN2 * 24hrs. @ 100° F, ASTM F-2622-08	<b>MVTR:</b> 1.52 gm water/100IN2 * 24 hrs. @ 75° F, ASTM F-1249																	
<b>Print Location:</b> Heat Seal Layer and/or Backing																		
<b>Sealing to glass containers:</b> Selig can not guarantee the performance or seal integrity of this materials when applied to any glass (treated or untreated) container. We suggest you contact your glass supplier for recommendations on glass treatments that may or may not improve performance or seal integrity.																		

Selig materials are compliant with current USFDA Food allergen Guidelines.

Selig materials are compliant with California Proposition 65 labeling requirements.

Selig materials are compliant with limitation of heavy metals in packaging per CONEG & EU 94/62/EC, article 11.

Recommended for use with dry food products. Is not suitable for use with fatty or alcoholic food types per ECC Reg. № 10/2011. Determining specific organoleptic compatibility per Article 3a of ECC Reg. № 2023/2006 is the responsibility of the food packager.

MSDS's are not required as Selig is not a chemical manufacturer or distributor and our products are 'articles' intended for food packaging per 29 CFR 1910.1200 (HazCom).

The information contained within this product data bulletin is to be used as a general guide in determining which structures are offered for sealing to specific container materials. All of the information which we provide is reliable to the best of our knowledge, but the accuracy thereof is not guaranteed. We suggest that consumers determine suitability for their own application.

www.seligsealing.com

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Forrest, IL 61741, USA  
Phone: +1 (815) 785-2100  
Fax: +1 (815) 657-7584

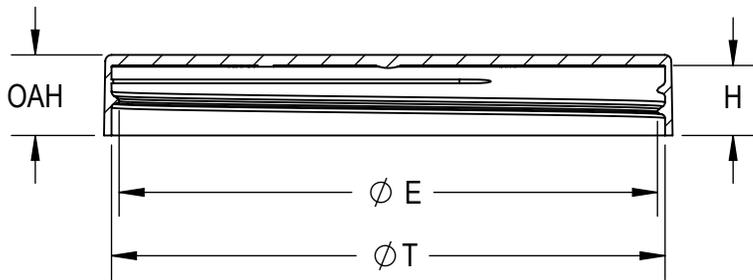
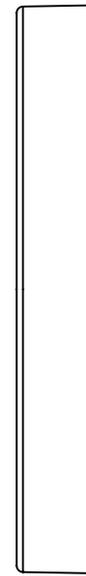
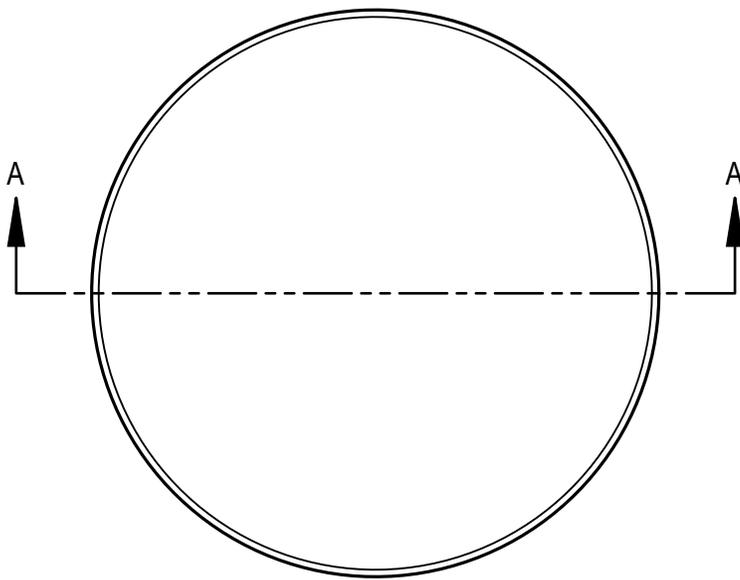
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CH-8172 Niederglatt  
Phone: +41 (0) 44 851 50 50  
Fax: +41 (0) 44 851 50 51





SECTION A-A  
SCALE 2 : 3

THREAD DETAIL  
5 THREADS PER INCH  
0.200" [5.06 PITCH]

REFERENCE	TOLERANCE	DIMENSION	UNITS
E	±0.014 [0.35]	4.224 [107.29]	in [mm]
T	±0.014 [0.35]	4.343 [110.31]	in [mm]
H	±0.014 [0.35]	0.558 [14.17]	in [mm]
OAH	±0.014 [0.35]	0.633 [16.08]	in [mm]
OD	±0.014 [0.35]	4.464 [113.39]	in [mm]
PART WEIGHT	± 2.0	21.10	g

STATIC TORQUE RECOMMENDATION  
45-70 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  
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DRAWING TYPE : CUSTOMER

REPLACES DRAWINGS:

C-1019

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

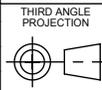
TOLERANCES UNLESS OTHERWISE SPECIFIED

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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SOLIDWORKS

DISTRIBUTION  
CODE

D

DRAWING NAME

110-400 CT Closure  
SS (Smooth Side, Smooth Top)

DRAWING NUMBER

CQA - 10457

MATERIAL

POLYPROPYLENE

MODEL NUMBER:

PM 10455 110-400 CT

SCALE

1:2

SHEET SIZE

11in\*8.5in

SHEET

1 of 3

REV.NP

00.AA

DRAWN BY: BDG

DATE: 1/10/2017

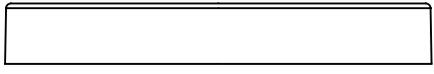
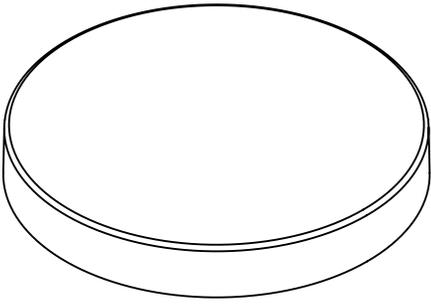
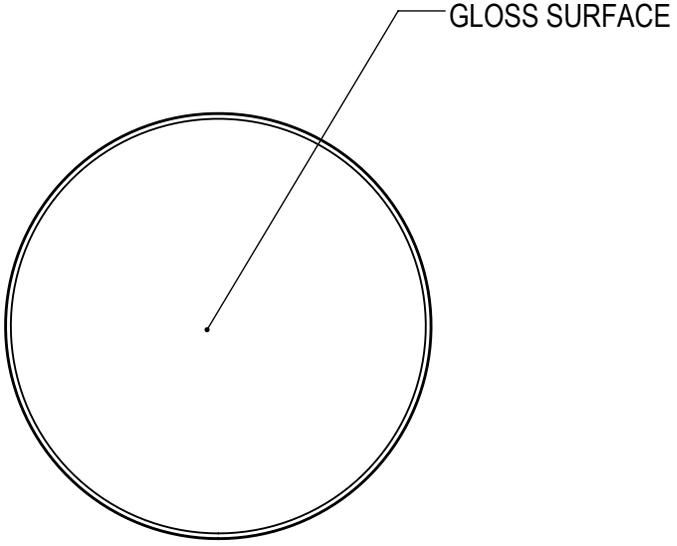
ENG APPR: BDG

DATE: 1/16/2017

QA APPR: ACP

DATE: 01/18/2017

REVISIONS					
DATE	REV	N/P	DESCRIPTION	ENG	DRW
01/10/17	00	AA	DRAWING FORMAT UPDATED	BDG	BDG



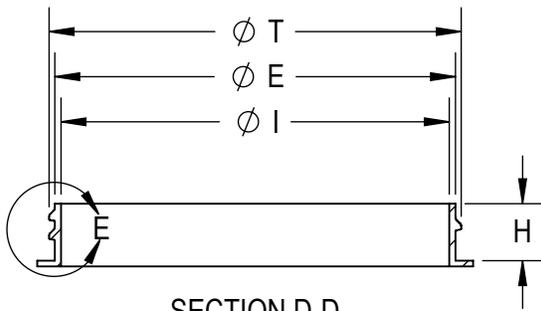
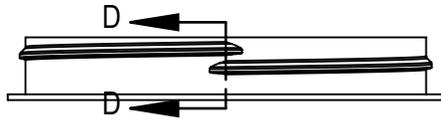
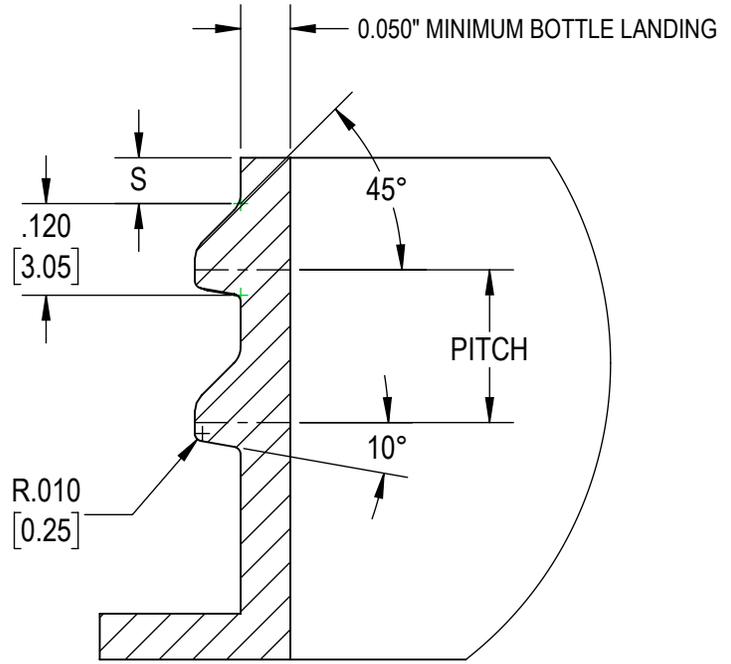
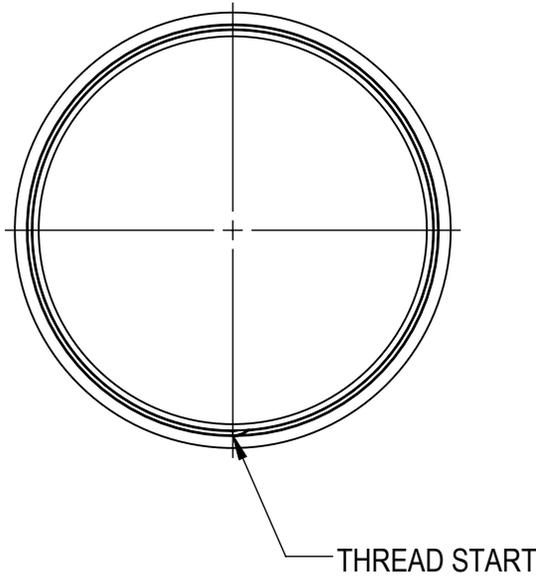
THE CLOSURE DIMENSIONS DEPICTED ARE THOSE WHICH HAVE GENERALLY BEEN FOUND TO BE FUNCTIONAL BASED ON INDUSTRY EXPERIENCE BECAUSE OF VARIABILITY IN GLASS AND PLASTIC CONTAINER FINISHES. EACH CLOSURE/FINISH SYSTEM SHOULD BE INDIVIDUALLY EVALUATED AND TESTED TO ENSURE IT MEETS APPLICABLE PERFORMANCE CRITERIA. SEE QUALITY ASSURANCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

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DRAWING TYPE : CUSTOMER			
REFERENCES: 110001, 110002 110003, 110004		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>110-400 CT Closure SS (Smooth Side, Smooth Top)</b>			
		DRAWING NUMBER <b>CQA - 10457</b>			
DRAWN BY. BDG	1/10/2017	MATERIAL <b>POLYPROPYLENE</b>			
		ENG APPR. BDG	1/16/2017	MODEL NUMBER: <b>PM 10455 110-400 CT</b>	
QA APPR. ACP	01/18/2017	SCALE 1:2	SHEET SIZE 8.5 X 11	SHEET 2 of 3	REV.NP 00.AA



DETAIL E  
SCALE 4 : 1

REFERENCE	TOLERANCE	UNITS	DIMENSION
E	$\pm 0.017$ [0.43]	IN[mm]	4.194 [106.53]
T	$\pm 0.017$ [0.43]	IN[mm]	4.314 [109.58]
I	MINIMUM	IN[mm]	3.737 [94.92]
S	$\pm 0.015$ [0.38]	IN[mm]	0.060[1.524]
H	MINIMUM	IN[mm]	0.597 [15.16]
TPI			5
PITCH		IN[mm]	0.200 [5.04]

DRAWING TYPE : CUSTOMER

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

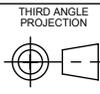
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ANGULAR TOLERANCE  $\pm 2^\circ$

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DISTRIBUTION CODE  
**D**

DRAWING NAME  
**110-400 CT Closure  
RECOMMENDED NECK FINISH**

DRAWING NUMBER  
**CQA - 10457**

DRAWN BY: BDG 1/10/2017

MATERIAL

ENG APPR: BDG 1/16/2017

MODEL NUMBER:

QA APPR: ACP 01/18/2017

SCALE	SHEET SIZE	SHEET	REV/N/P
1:2	8.5 X 11	3 of 3	00.AA

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