



# 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

Information contained herein is considered accurate to our best knowledge. It is offered for your consideration and investigation, and is not to be construed as a representation or warranty, expressed or implied, for which Braskem assumes legal responsibility. Our warranties are limited to those expressly stated in formal contracts or in conditions of sale on our invoices and order acceptances. Conditions and methods of use vary and are beyond the control of Braskem. Braskem, therefore, disclaims any liability incurred as a result of the use of its products in accordance with the data contained herein. No information herein shall be construed as an offer of indemnity for infringement or as a recommendation to use these products in such a manner as to infringe any patent, domestic or foreign.

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)

MOLD-RITE PLASTICS LLC.  
1 Plant Street P.O. Box 160  
Plattsburgh NY 12901  
(518)561-1812  
<https://www.mrpcap.com>



## Product Data Sheet

### MRPWH01 White

#### Product Description

This specification designated by Mold-Rite Plastics covers all colorants that meet the typical value data listed below.

#### Regulatory Compliance

FDA – Title 21 CFR Section 170-199 for Food & Drug Contact  
RoHS Compliant  
CONEG/Heavy Metal Compliant  
Proposition 65 Compliant

Typical Properties	Typical Value
Density	.90
Melt Index	30
Pellets	Standard
Recommended Let Down Ratio	50:1
Carrier Resin	PP
Estimated Heat Stability	450-500 °F
Visual Evaluation	Excellent
Additives	None
DE Tolerance	< 2.00

For further regulatory information, contact Mold-Rite Plastics customer service or sales department.

Notes: These are typical properties not to be construed as specifications. Mold-Rite Plastics reserves that right to include any other colorant that meets that above data values and regulatory requirements.

This product data sheet covers multiple colorant formulations that meet the above typical data values and regulatory requirements. All listed formulas have similar physical, chemical and processing properties. Listed known formulas; Polymer Concentrates – 10536, Penn Color 60W5221

All results were obtained from manufacturer product data sheets (where applicable). The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. The use of Mold-Rite Plastics products must be guided by the users own methods for selection of proper formulation. Mold-Rite Plastics disclaims any responsibility for misuse or miss application of its products. 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 in respect to any material which damage is claimed.



Freshness and Protection for Today's Packaging

# Lift 'n' Peel™ Technical Data Sheet

## Lift 'n' Peel™ U5 LP-H

Revisions: U5 LP-H-11052013

### MRP DESCRIPTION - (LPH)LIFTNPEELH.007 BL LIFTNPEEL FOAM

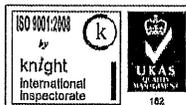
<b>Product</b>	Lift 'n' Peel™ U5 LP-H																							
<b>Scope</b>	One piece top-tabbed induction seal with foam backing that features an easily opened tamper evident design for use on PE, PP, PVC, PET, PS and glass. After removal of the seal, paper will remain on the finish as a means of visual tamper evidence. This material will vent oxygen and water vapor through the paper layer and is suggested for use on dry products only. Use with liquid products is not recommended.																							
<b>Composition</b>	<table border="1"> <thead> <tr> <th>Material</th> <th>Standard</th> <th>Metric</th> </tr> </thead> <tbody> <tr> <td>PET Film</td> <td>0.001"</td> <td>0.025mm</td> </tr> <tr> <td>PET Tab</td> <td>0.0005"</td> <td>0.013mm</td> </tr> <tr> <td>Polyolefin Foam</td> <td>0.0045"</td> <td>0.114mm</td> </tr> <tr> <td>Foil</td> <td>0.001"</td> <td>0.025mm</td> </tr> <tr> <td>White Paper</td> <td>0.0028"</td> <td>0.071mm</td> </tr> <tr> <td>Heat Seal</td> <td>0.00066"</td> <td>0.0168mm</td> </tr> </tbody> </table>	Material	Standard	Metric	PET Film	0.001"	0.025mm	PET Tab	0.0005"	0.013mm	Polyolefin Foam	0.0045"	0.114mm	Foil	0.001"	0.025mm	White Paper	0.0028"	0.071mm	Heat Seal	0.00066"	0.0168mm		
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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> 11485	<b>EU / EP Reg.:</b>																							
<b>GTR Oxygen:</b> 197.6 cc Oxygen/100 IN2 * 24hrs. @ 100° F, ASTM F-1249	<b>MVTR:</b> 0.631 gm water/100IN2 * 24 hrs. @ 75° F, ASTM F-2622-08																							
<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.																								
<b>Print Location (if any):</b> PET Tab	<b>Manufacturing Location:</b> North America																							

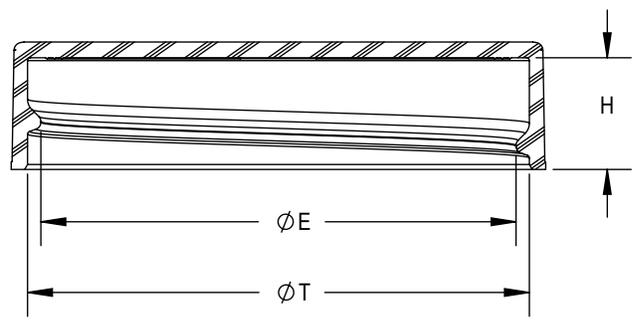
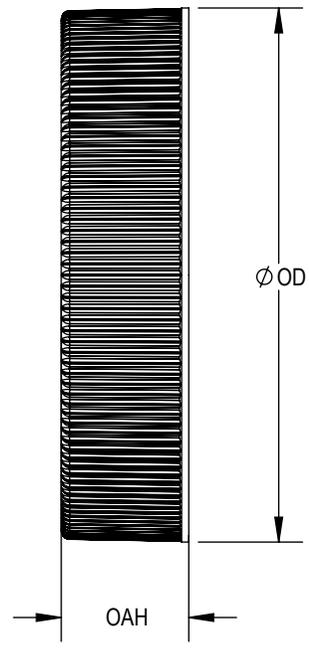
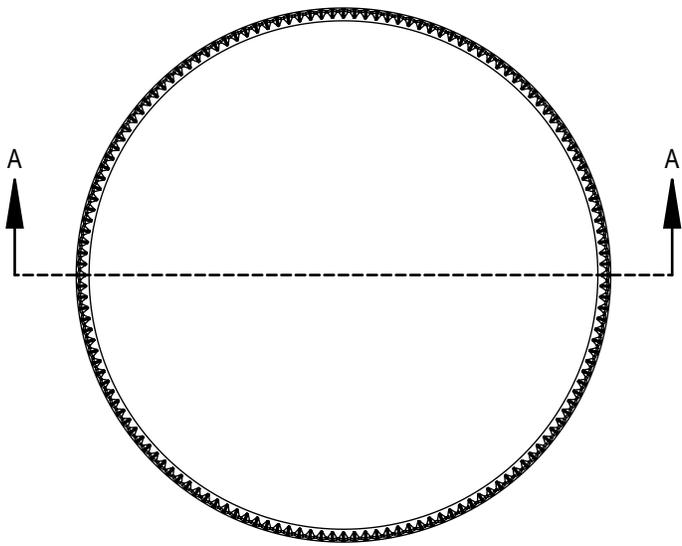
Selig materials are compliant with current USFDA Food allergen Guidelines.  
 Selig materials are compliant with California Proposition 65 labeling requirements.  
 Selig materials are compliant with limitation of heavy metals in packaging per CONEG & EU 94/62/EC, article 11.  
 MSDS's are not required 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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SECTION A-A

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

REFERENCE	TOLERANCE	UNITS	DIMENSION
E	±.010 [0.25]	in [mm]	1.656 [42.06]
T	±.010 [0.25]	in [mm]	1.748 [44.40]
H	±.010 [0.25]	in [mm]	0.390 [9.91]
OD	±.010 [0.25]	in [mm]	1.865 [47.37]
OAH	±.010 [0.25]	in [mm]	0.445 [11.30]
PART WEIGHT	± 0.3	g	3.9

**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

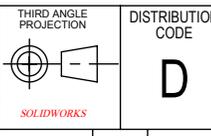
DIMENSIONS ENCLOSED IN ( ) INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED

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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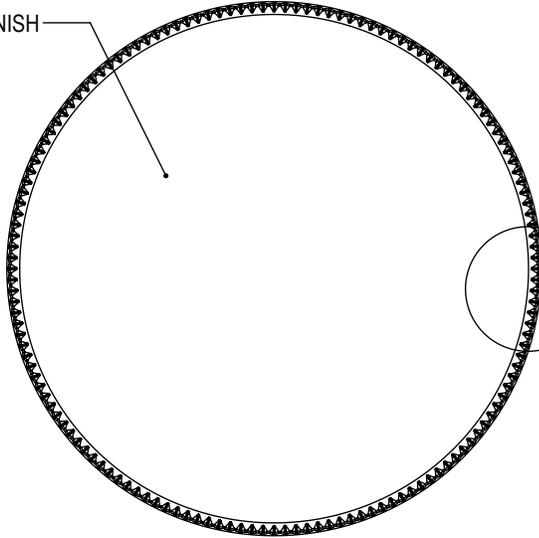


DRAWN BY:	JDM	6/3/2016
ENG APPR:	JDM	5/5/2017
QA APPR:	ACP	5/5/2017

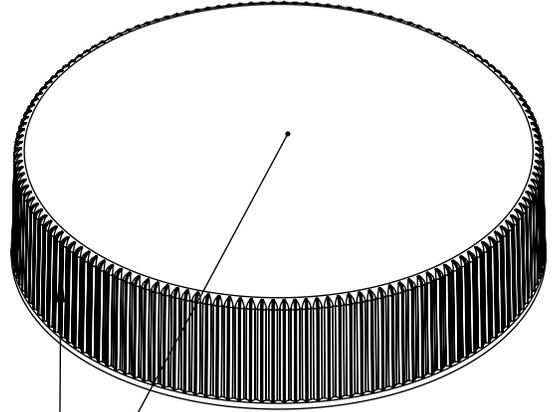
DISTRIBUTION CODE		DRAWING NAME	
D		45-400 CT CLOSURE RS (Ribbed Side - Smooth Top)	
DRAWING NUMBER		CQA - 10301	
MATERIAL		POLYPROPYLENE	
MODEL NUMBER:		PM 10297 45-400 CT	
SCALE	SHEET SIZE	SHEET	REV NP
1:1	8.5in*11in	1 of 3	00.AB

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

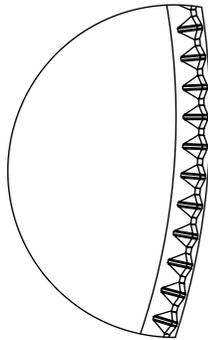
SMOOTH FINISH



RIBS



OPTIONAL GATE LOCATIONS  
(SEE TABLE BELOW)



DETAIL RIBS  
SCALE 4 : 1

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

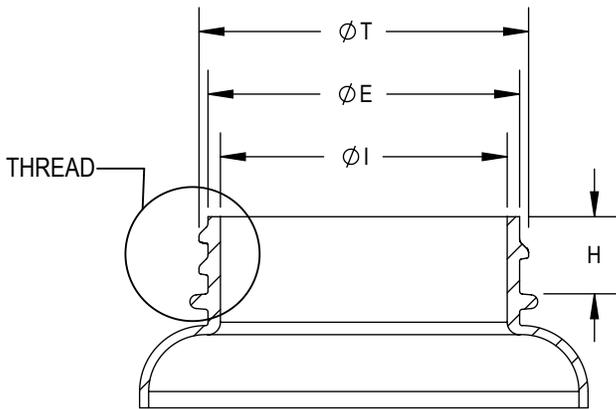
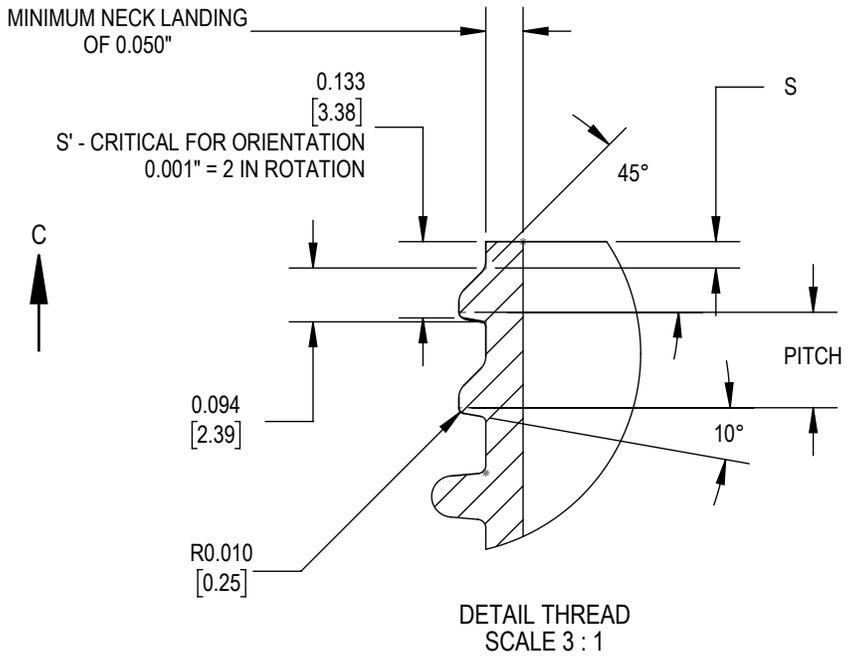
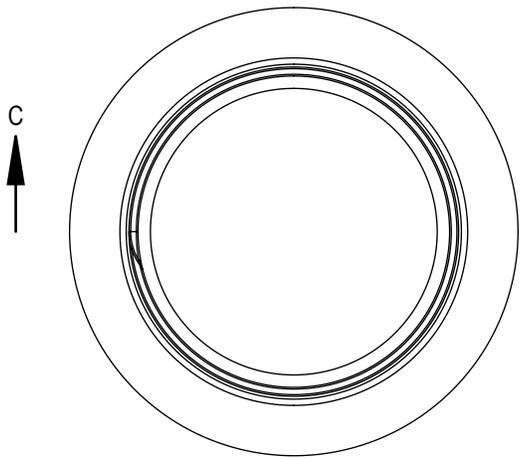
DRAWING TYPE : CUSTOMER			
REFERENCES: 45001, 45002, 45003, 45005, 45007, 45011		DIMENSIONS ENCLOSED IN ( ) INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED	
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ANGULAR TOLERANCE ± 2°			
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THIRD ANGLE PROJECTION	DISTRIBUTION CODE <b>D</b>	DRAWING NAME <b>45-400 CT CLOSURE RS (Ribbed Side - Smooth Top)</b>			
DRAWN BY: JDM 6/3/2016		DRAWING NUMBER <b>CQA - 10301</b>			
ENG APPR: JDM 5/5/2017		MATERIAL <b>POLYPROPYLENE</b>			
QA APPR: ACP 5/5/2017		MODEL NUMBER: <b>PM 10297 45-400 CT</b>			
SCALE 1:1	SHEET SIZE 8.5 X 11	SHEET 2 of 3	REV.NP 00.AB		

# RECOMMENDED NECK FINISH



SECTION C-C  
SCALE 1 : 1

REFERENCE	TOLERANCE	UNITS	DIMENSION
E	$\pm 0.017$ [0.43]	in [mm]	1.631 [41.43]
T	$\pm 0.017$ [0.43]	in [mm]	1.725 [43.82]
I	MINIMUM	in [mm]	1.525 [38.74]
S	$\pm 0.015$ [0.38]	in [mm]	0.046 [1.17]
H	$\pm 0.015$ [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

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7.875-9.843	$\pm 0.032$	201-250	$\pm 0.813$

ANGULAR TOLERANCE  $\pm 2^\circ$

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SOLIDWORKS

DISTRIBUTION CODE  
**D**

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

DRAWN BY: JDM 6/3/2016

MATERIAL

ENG APPR: JDM 5/5/2017

MODEL NUMBER:

QA APPR: ACP 5/5/2017

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