



FPT300F

Homopolymer Polypropylene

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

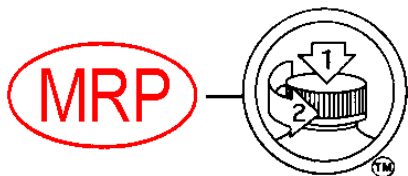
Property	Units	Typical Value	Test Method
Nominal Melt Flow Rate (230°C/2.16kg)	g/10 min	30	ASTM D1238
Tensile Strength at Yield (2 in/min, 50 mm/min)	psi MPa	4,800 33	ASTM D638
Elongation at Yield (2 in/min, 50 mm/min)	%	10	ASTM D638
Flexural Modulus (0.05 in/min, 1.3 mm/min, 1% secant)	psi MPa	200,000 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



Product Data Sheet

CP0001 Grade

Polypropylene, Impact Copolymer

Product Description

CP0001 is a high flow, high impact polypropylene copolymer grade resin designed for molding applications requiring good balance stiffness, impact resistance and process ability. This grade specification designated by Mold-Rite Plastics covers all copolymer resins that meet the typical value data listed below.

Regulatory Compliance

FDA-21 CFR 177.1520(c) 3.1 for Food & Drug Contact

RoHS Compliant

CONEG/Heavy Metal Compliant

Proposition 65 Compliant

EU Directive 2002/72/EC Compliant

Typical Properties	Method	Typical Value	Unit
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Physical

Density – Specific Gravity	ASTM D 792	.900 - .905	sp gr. 23/23° C
Melt Flow Rate	ASTM D 1238	35.0	g/10 min

Mechanical

Tensile Strength @ Yield (2 in/min) (50 mm/min)	ASTM D 638	3,100 – 4,000 21.4 – 27	PSI MPa
Flexural Modulus (0.05 in/min, 1% Secant, Procedure A) (1 mm/min, 1% Secant, Procedure A)	ASTM D 790	160,000 – 210,000 1,103 – 1,450	PSI MPa

Impact

Notched Izod impact (23 °C, Method A)	ASTM D 256	1.4 – 2.4 75 – 128	Ft-lb/in J/m
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Thermal

Heat Deflection (Softening Point) Unannealed DTLU @ 66psi	ASTM D 648	212 – 225 88 – 107	°F °C
Processing Range	-----	400 – 500	°F


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 resin grade that meets that above data values and regulatory requirements.

This product data sheet covers multiple resin formulations and include any other resin grade that meets the above typical data values and regulatory requirements.

All listed grades have similar physical, chemical and processing properties. Listed known grades; 44FY01; SG802N; AP5135H; 4820WZ; 6535A; 2535A

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.

	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

<u>FDA Compliance/Status</u>		
FDA, Title 21 CFR Food & Drug Contact	<input checked="" type="checkbox"/> Compliant	<input type="checkbox"/> 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.

<u>Additional Compliance/Status (and amendments as of the date of this document)</u>		
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.

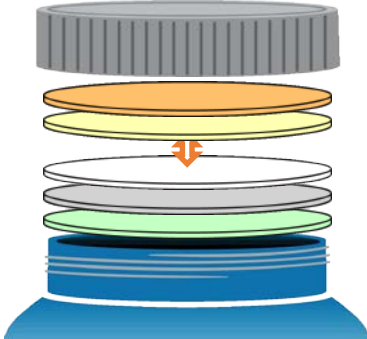
This product data sheet addresses all colorants that meet the above requirements & specifications. Data was obtained from supplier product data sheets (where applicable). This data is intended to be used as a guide only. It is ultimately the customer's responsibility to determine the suitability of the material for their specific application, and to be responsible for assuring compliance with all applicable laws and regulations.

HS035 HEAT SEAL//25 White Lined Pulp

- Designed as a two-piece, pulp backed, induction heat seal and liner 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)
Pulp		635,0	25.0
Wax		25,4	1.0
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

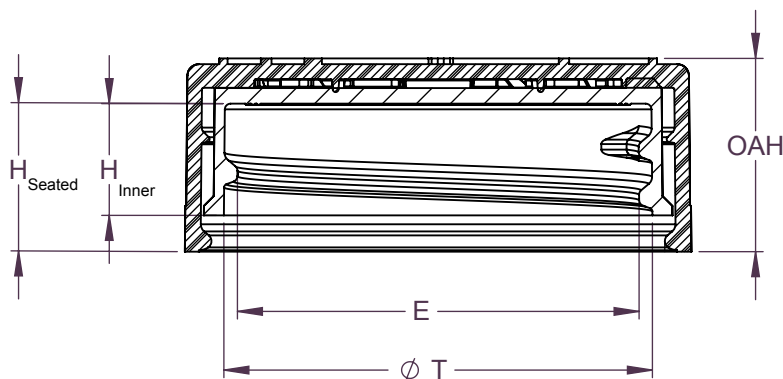
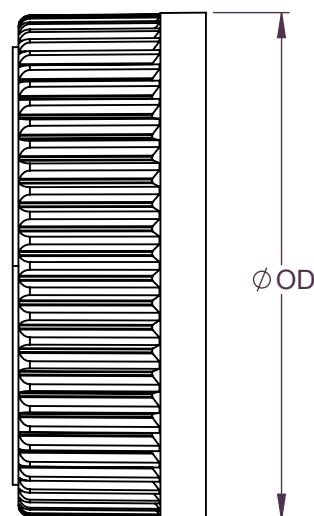
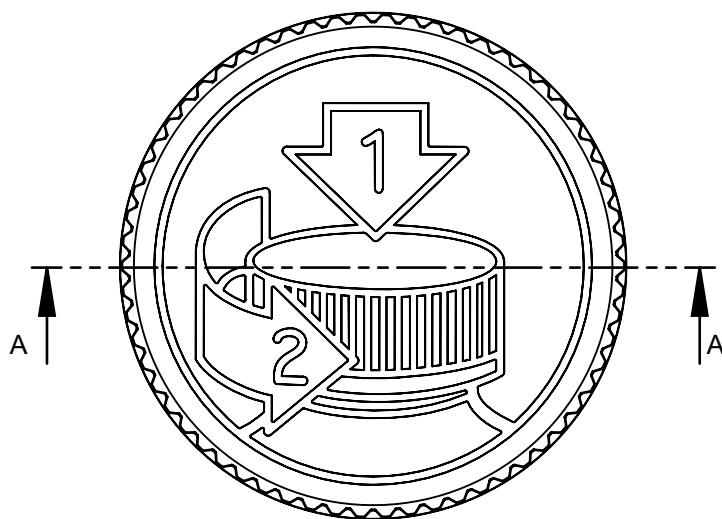
Regulatory Compliance

FDA Compliance	<p>21 CFR 178.3710 Petroleum wax.</p> <p>21 CFR 177.1350 Ethylene-vinyl acetate copolymers.</p> <p>21 CFR 177.1210 Closures with sealing gaskets for food containers</p> <p>21 CFR 176.180 Components of paper and paperboard in contact with dry foods.</p> <p>21 CFR 176.170 Components of paper and paperboard in contact with aqueous and fatty foods.</p>
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

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www.tri-seal.tekni-plex.com



SECTION A-A
SCALE 3 : 2

.167 PITCH - 6 THREADS PER INCH
380° FULL DEPTH THREAD

REFERENCE	TOLERANCE	DIMENSION	UNITS
E	±0.010 [0.25]	1.396 [35.46]	in [mm]
T	±0.010 [0.25]	1.488 [37.80]	in [mm]
H (Seated)	REFERENCE	0.521 [13.23]	in [mm]
H (Inner)	±0.008 [0.20]	0.388 [9.86]	in [mm]
OD	±0.013 [0.33]	1.760 [44.70]	in [mm]
OAH	±0.011 [0.28]	0.671 [17.04]	in [mm]
PART WEIGHT	± 0.7	7.1	g

STATIC TORQUE RECOMMENDATION
17-26 in-lbs
THIS REQUIREMENT MAY VARY DEPENDING
UPON BOTTLE MATERIAL, NECK FINISH, AND
CAPPING EQUIPMENT

DRAWING TYPE : CUSTOMER

REPLACES DRAWINGS:
C-8019

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

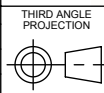
TOLERANCES UNLESS OTHERWISE SPECIFIED

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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D

DRAWING NAME
**38-400 CRC PDT ASSM
PCTO**

DRAWING NUMBER
CQA - 10023

MATERIAL
POLYPROPYLENE

MODEL NUMBER:
PM-10161 38-400 CRC ASSM

SCALE	SHEET SIZE	SHEET	REV.NP
1:1	11in*8.5in	1 of 3	04.AD

DRAWN BY.	BDG	4/29/2016
ENG APPR.	BDG	2/1/2017
QA APPR.	ACP	02/01/2017

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.

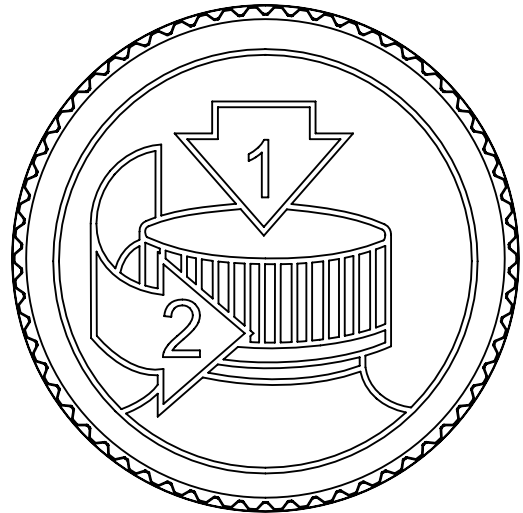
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DATE	REV	N/P	DESCRIPTION	ENG	DRWN
01/30/17	04	AD	DRAWING FORMAT UPDATED. ADDED H(SEATED) AS REFERENCE DIMENSION	BDG	BDG

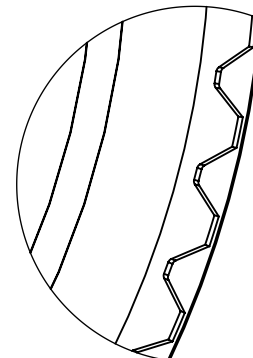
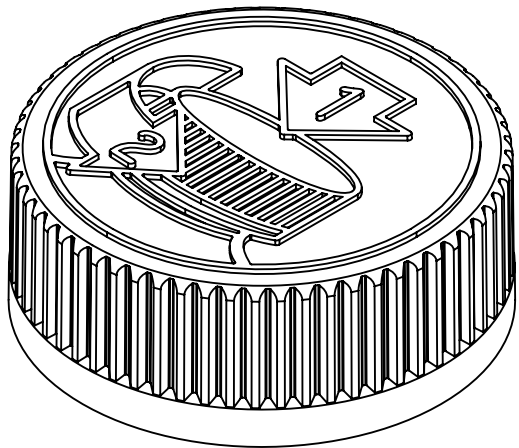
INSTRUCTIONS EMBOSSES



RIB



ALTERNATE PICTO
INSTUCTIONS
(SIDE GATED MOLD)



DETAIL RIB
SCALE 6 : 1

(62) EQUISPACED RIBS

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DRAWING TYPE : CUSTOMER

REFERENCES:

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

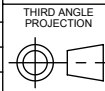
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7.875-9.843	±0.032	201-250	±0.813

ANGULAR TOLERANCE ± 2°

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PICTO

DRAWING NUMBER

CQA - 10023

MATERIAL

POLYPROPYLENE

MODEL NUMBER:

PM-10161 38-400 CRC ASSM

SCALE

SHEET SIZE

SHEET

REV/NP

1:1

8.5 X 11

2 of 3

04.AD

DRAWN BY.

BDG

4/29/2016

ENG APPR.

BDG

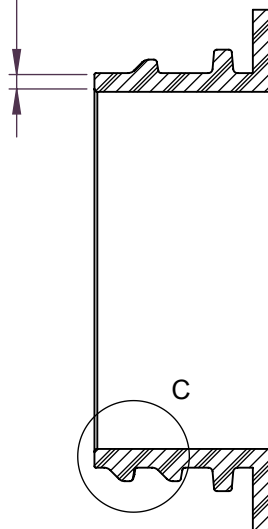
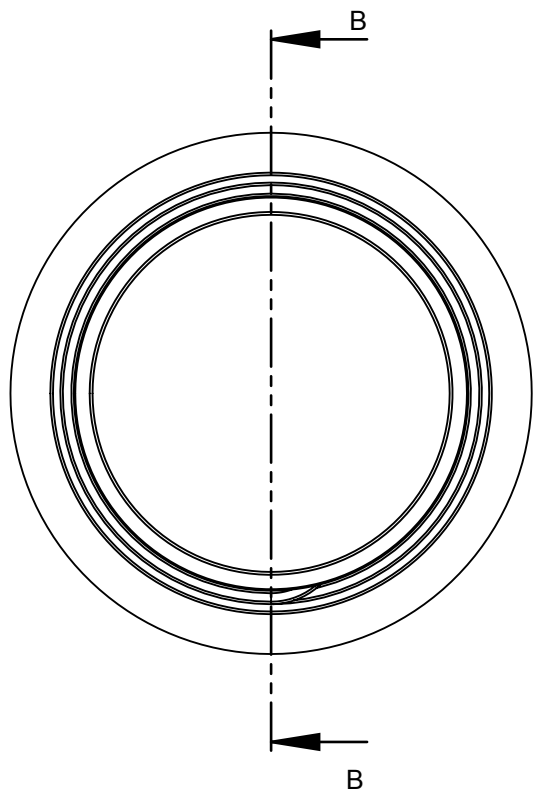
2/1/2017

QA APPR.

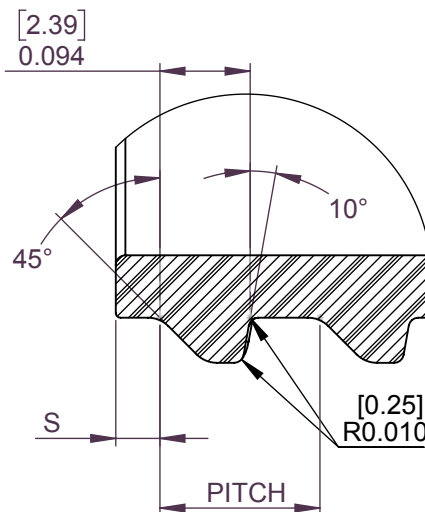
ACP

02/01/2017

[1.27]
0.050 MINIMUM FLAT
RECOMMENDED FOR
PROPER INDUCTION SEAL

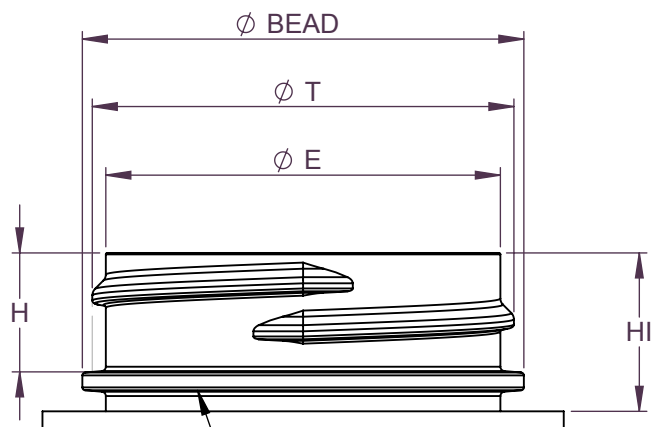


SECTION B-B
SCALE 3 : 2



DETAIL C
SCALE 5 : 1

THREAD DETAIL



BEAD IS NOT REQUIRED
FOR CHILD RESISTANT
CLOSURE FUNCTION

REFERENCE	TOLERANCE	UNITS	DIMENSIONS
E	±0.012 [0.30]	in [mm]	1.370 [34.80]
T	±0.012 [0.30]	in [mm]	1.464 [37.19]
I	MINIMUM	in [mm]	1.225 [31.11]
S	±0.015 [0.38]	in [mm]	0.046 [1.17]
H	MINIMUM	in [mm]	0.403 [10.24]
H1	MINIMUM	in [mm]	.550 [13.97]
BEAD	MAXIMUM	in [mm]	1.545 [39.24]
TPI			6
PITCH		in	0.167 [4.24]

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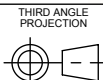
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DRAWING NAME

38-400 CRC PDT ASSM
RECOMMENDED NECK FINISH

DRAWING NUMBER

CQA - 10023

MATERIAL

MODEL NUMBER:

DRAWN BY.

BDG

4/29/2016

ENG APPR.

BDG

2/11/2017

QA APPR.

ACP

02/01/2017

SCALE

1:1

SHEET SIZE

11 X 17

SHEET

3 of 3

REV/N/P

04.AD