



FPT300F

Homopol mer
Pol prop lene

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

Propert	Units	T pical Value	Test Metho
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

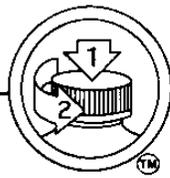
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For cautions an other information relating to han ling of
an e posture to this pro uct, please see material safet
ata sheet co e number C4001 publishe b Braskem.

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
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
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

FDA Compliance/Status

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).

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.



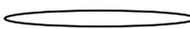
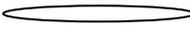
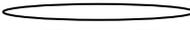
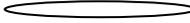
Product Data Sheet

MRP Description:(A01)MRPLN04.020 FOAM R SFYP

MRPLN04 – Universal Heat Seal Foam Liner

Product Description

This product is a 1 piece universal heat seal consisting of foam backing, paper, aluminum foil and heat seal layer.. This specification, designated by Mold-Rite Plastics, covers all liners that meet the typical value data listed below;

-  Polystyrene Foam
-  Paper
-  Aluminum Foil
-  Heat Seal Coating

Regulatory Compliance

FDA Title 21 CFR Section 177.1210 (Closure with Sealing Gaskets for Food Containers,
 RoHS Compliant
 CONEG/Heavy Metal Compliant
 Proposition 65 Compliant

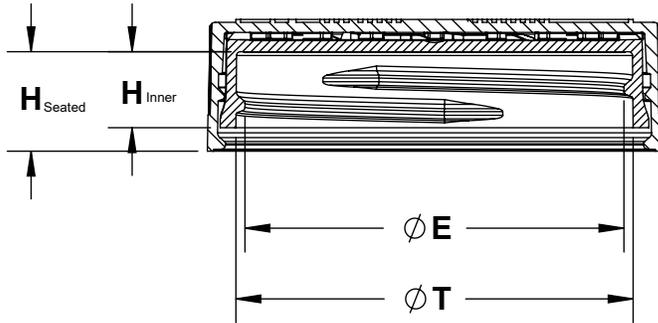
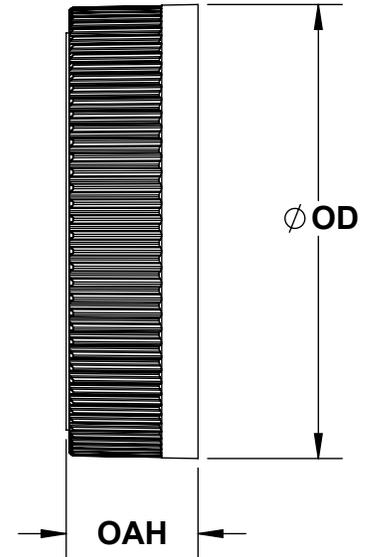
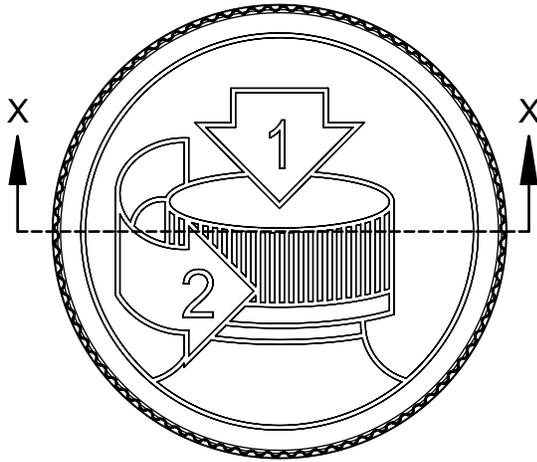
Typical Properties	Typical Value
Overall Thickness	.024 +/- 10%
Drug Master File	16574
Printed	R SFYP
Oxygen Transmission	Essentially Zero
Water Vapor Transmission	Essentially Zero

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 liner that meets that above data values and regulatory requirements.

This product data sheet covers multiple liners that meet the above typical data values and regulatory requirements. All listed liners have similar physical, chemical and processing properties. Listed known liners: HS035, HS 035N, HS205, FS5-8, HSS-5.6

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SECTION X-X
SCALE 1 : 1

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

REFERENCE	TOLERANCE	DIMENSION	UNITS
E	±0.012 [0.30]	1.985 [50.42]	in [mm]
T	±0.012 [0.30]	2.079 [52.81]	in [mm]
H [Seated]	REFERENCE	0.521 [13.23]	in [mm]
H [INNER]	±0.012 [0.30]	0.398 [10.11]	in [mm]
OD	±0.018 [0.46]	2.388 [60.66]	in [mm]
OAH	±0.020 [0.51]	0.690 [17.53]	in [mm]
PART WEIGHT	± 1.4	12.8	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-8026

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

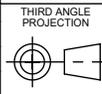
TOLERANCES UNLESS OTHERWISE SPECIFIED

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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DISTRIBUTION
CODE
D

DRAWING NAME
**53-400 CRC Assm
PICTO**

DRAWING NUMBER
CQA - 10095

MATERIAL
POLYPROPYLENE

MODEL NUMBER:
PM 10135 53-400 PDT CRC Assm

DRAWN BY: BDG 3/1/2016

ENG APPR: BDG 9/11/2018

QA APPR: REL 9/11/2018

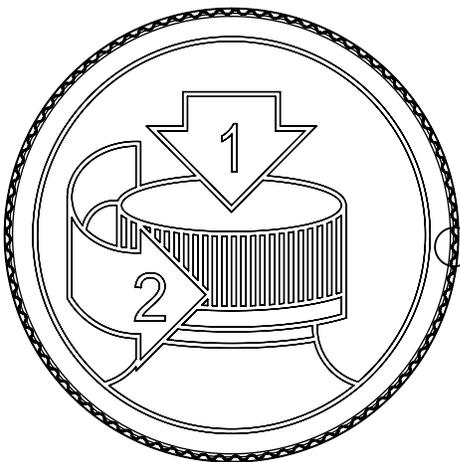
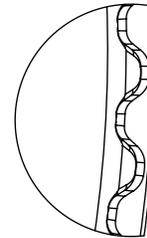
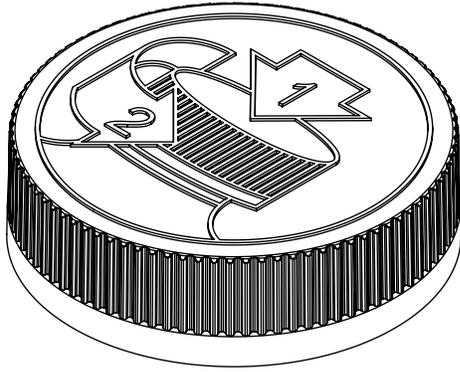
SCALE	SHEET SIZE	SHEET	REV/ NP
1:2	8.5" X 11"	1 of 3	02.AC

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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REVISION HISTORY

DATE	REV	N/P	DESCRIPTION	ENG	DRW
03/11/15	01	AA	DRAWING RELEASED	BDG	-
09/29/15	01	AB	UPDATED SPECIFICATIONS BASED ON PRODUCTION VALIDATION	BDG	-
02/10/16	02	AA	UPDATED ASSEMBLY MODEL WITH REVISED INNER. CRC ENGINE ANGLE REVISED	BDG	-
07/07/16	02	AB	UPDATED SPECIFICATION BASED ON RE-QUALIFICATION OF MOLDS	BDG	-
09/11/18	02	AC	UPDATED DRAWING FORMAT. CORRECTED (mm) CONVERSION FOR "I" DIMENSION PAGE 3	BGD	BDG



RIB

DETAIL RIB
SCALE 6 : 1
(88) EQUISPACED RIBS

DRAWING TYPE : CUSTOMER			
REFERENCES:		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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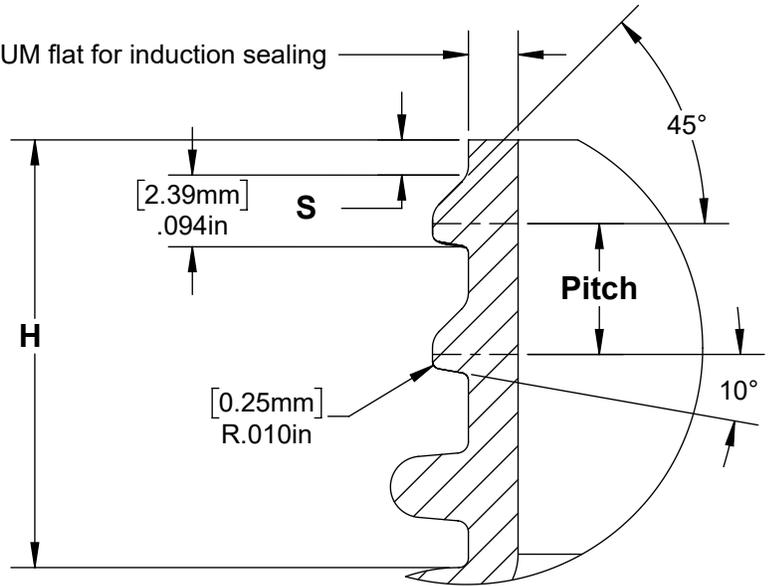
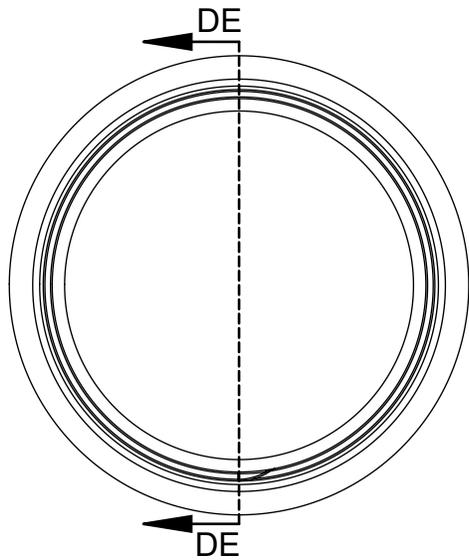


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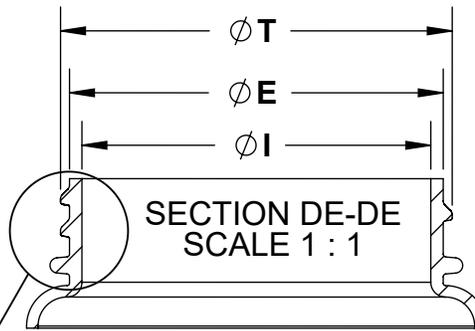
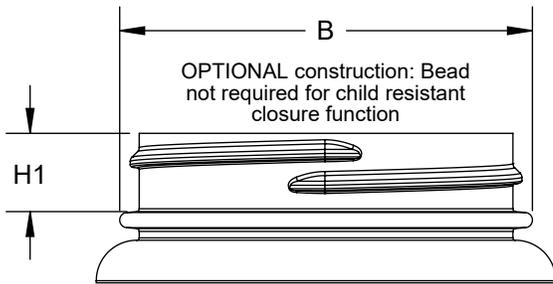
DRAWING NAME 53-400 CRC Assm PICTO			
DRAWING NUMBER CQA - 10095			
MATERIAL POLYPROPYLENE			
MODEL NUMBER: PM 10135 53-400 PDT CRC Assm			
SCALE	SHEET SIZE	SHEET	REV.NP
1:2	8.5" X 11"	2 of 3	02.AC

DRAWN BY.	BDG	3/1/2016
ENG APPR.	BDG	9/11/2018
QA APPR.	REL	9/11/2018

0.050 MINIMUM flat for induction sealing

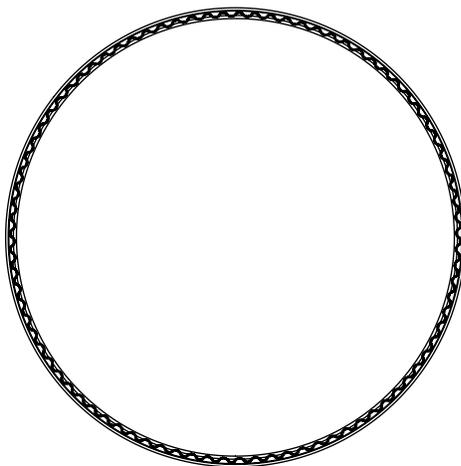


DETAIL Thread
SCALE 4 : 1



SECTION DE-DE
SCALE 1 : 1

Thread



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	MINIMUM	in [mm]	1.578 [40.08]
S	±0.015[0.38]	in [mm]	0.046 [1.17]
H	MINIMUM	in [mm]	0.560 [14.22]
H1	MINIMUM	in [mm]	0.410 [10.41]
B	MAXIMUM	in [mm]	2.160 [54.86]
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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ANGULAR TOLERANCE ± 2°

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DRAWING NAME

53-400 CRC Assm
RECOMMENDED NECK FINISH

DRAWING NUMBER

CQA - 10095

DRAWN BY: BDG

DATE: 3/1/2016

MATERIAL

ENG APPR: BDG

DATE: 9/11/2018

MODEL NUMBER:

QA APPR: REL

DATE: 9/11/2018

SCALE: 1:2

SHEET SIZE: 8.5" X 11"

SHEET: 3 of 3

REV/N/P: 02.AC

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