



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

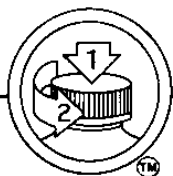
Propert	Units	T pical Value	Test Metho
Nominal Melt Flow Rate (230°C/2.16kg)	g/10 min	30	ASTM D1238
Tensile Strength at Yield (2 in/min, 50 mm/min)	psi MPa	4,800 33	ASTM D638
Elongation at Yield (2 in/min, 50 mm/min)	%	10	ASTM D638
Flexural Modulus (0.05 in/min, 1.3 mm/min, 1% secant)	psi MPa	200,000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

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

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.

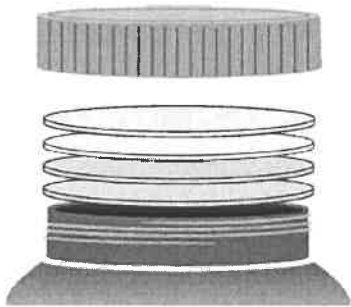
HS 035 HEAT SEAL/20F

MRP Description - (021)HS035.020 R SFYP

- 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

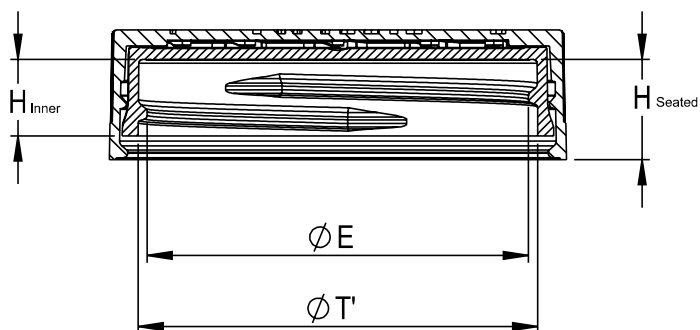
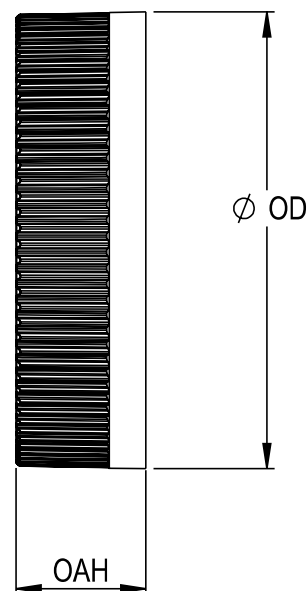
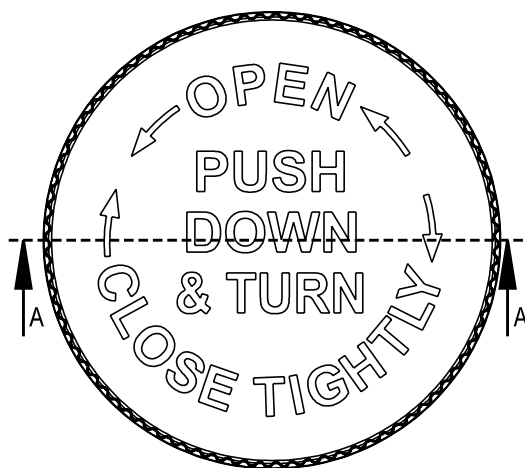
Regulatory Compliance

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

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SECTION A-A
SCALE 1 : 1



STATIC TORQUE RECOMMENDATION: 21-36 in-lbs
REQUIREMENT MAY VARY DEPENDING UPON CONTAINER MATERIAL,
NECK FINISH, AND CAPPING EQUIPMENT

DIMENSIONS ENCLOSED IN () INDICATE REFERENCE DIMENSIONS
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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]	0.675 [17.15]	in [mm]
PART WEIGHT	REFERENCE	12.5	g

THREAD DETAIL INFORMATION: 6 THREADS PER INCH 0.167" [4.24] PITCH 380° FULL DEPTH THREADS

DRAWN BY: BDG 3/1/2016

ENG APPR: REL 9/11/2018

QA APPR: BDG 9/11/2018



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53-400 CRC Assm
PDT DEBOSS

MATERIAL: POLYPROPYLENE

DRAWING TYPE: CUSTOMER DISTRIBUTION CODE: D

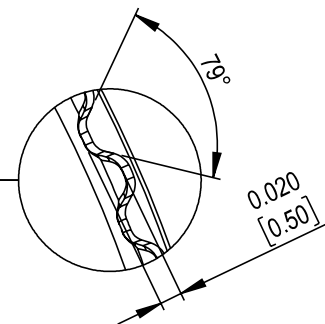
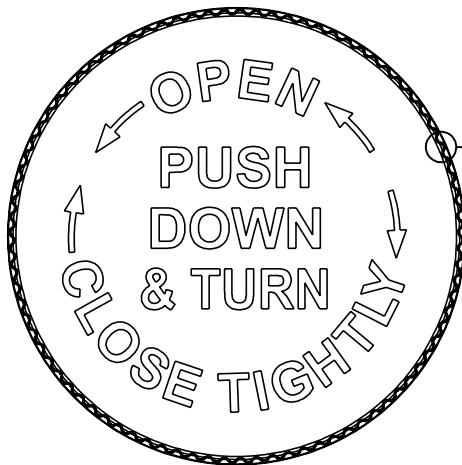
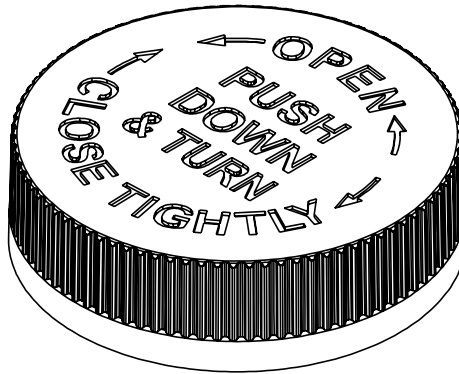
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MODEL NUMBER: PM 10135 53-400 PDT CRC Assm

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SCALE: SHEET: CQA-10093 02.AD

1:2 & NOTED 1 OF 3



DETAIL RIBBING
SCALE 6 : 1
(88) EQUISPACED RIBS

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DATE	REV	N/P	DESCRIPTION	ENG	DRW
03/11/15	01	AA	DRAWING CREATED	BDG	BDG
09/29/15	01	AB	UPDATED SPECIFICATIONS BASED ON PRODUCTION VALIDATION	BDG	BDG
02/10/16	02	AA	UPDATED ASSEMBLY MODEL WITH REVISED INNER, CRC ENGINE ANGLE REVISED	BDG	BDG
07/07/16	02	AB	UPDATED SPECIFICATION BASED ON REQUALIFICATION OF MOLDS	BDG	BDG
09/11/18	02	AC	UPDATED DRAWING FORMAT. CORRECTED (mm) CONVERSION FOR PAGE 3	BDG	BDG
06/20/23	02	AD	UPDATED DRAWING STANDARD AND LOGO	BDG	BDG

REVISION HISTORY

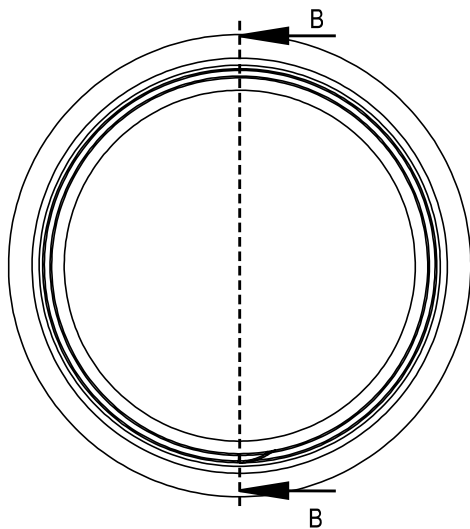
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N/P: DRAWING OR SPECIFICATION CHANGE ONLY



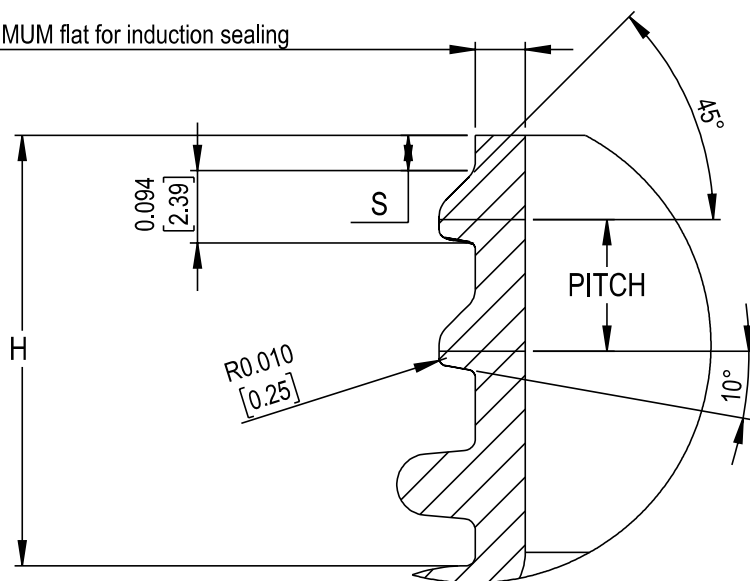
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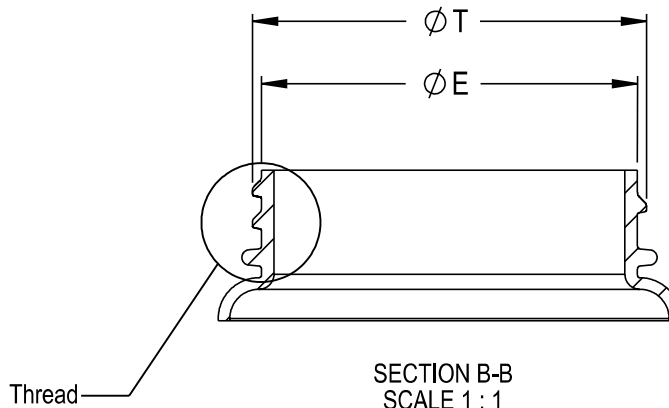
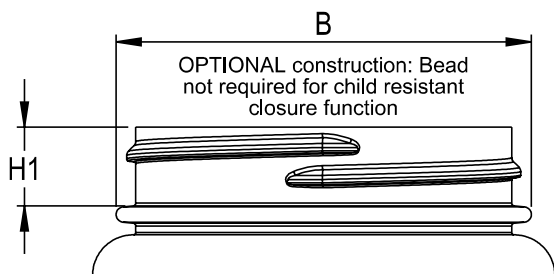
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DWG SIZE: 8.5" x 11"	DRAWING NUMBER: CQA-10093	REVISION: 02.AD	
SCALE: 1:2 & NOTED	SHEET: 2 OF 3		



0.050 MINIMUM flat for induction sealing



DETAIL Thread
SCALE 4 : 1



SECTION B-B
SCALE 1 : 1

CHILD RESISTANT PROTOCOL TESTING NOTE: MOLD-RITE PLASTICS, LLC CERTIFIES THAT ITS CHILD RESISTANT CLOSURES PASSED TESTS OUTLINED IN 16 CFR SECTION 1700.20 TESTING PROCEDURE AND MEET WITH REQUIREMENTS DEFINED BY 16 CFR SECTION 1700.15 POISON PREVENTION PACKAGING STANDARDS, GENERALLY. IT IS RECOMMENDED THAT CUSTOMERS CONDUCT TESTING TO CONFIRM CLOSURES PERFORM AS EXPECTED WITH THEIR SPECIFIC CONTAINERS AND CONDITIONS OF USE.

RECOMMENDED NECK FINISH IS DETERMINED FOR PROPER FUNCTIONAL PERFORMANCE WITH MOLD-RITE CLOSURE. USE OF MOLD-RITE CLOSURE WITH CONTAINER NOT MATCHING RECOMMENDED NECK FINISH SHOULD BE TESTED AND CONFIRMED FOR APPLICATION BY THE USER.

NOMINAL ORIENTATION OF CLOSURE (IF INDICATED) IS BASED ON NOMINAL DIMENSIONS OF BOTH CLOSURE AND RECOMMENDED NECK FINISH. FOR EXACT ORIENTATION, EACH CONTAINER SHOULD BE EVALUATED ON A CASE BY CASE BASIS.

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T	2.050 [52.07]	± 0.017 [0.43]	in [mm]
S	0.046 [1.17]	±0.015[0.38]	in [mm]
H	0.560 [14.22]	MINIMUM	in [mm]
H1	0.410 [10.41]	MINIMUM	in [mm]
B	2.160 [54.86]	MAXIMUM	in [mm]
TPI	6		
PITCH	0.167 [4.24]		in [mm]



DRAWING TITLE:
53-400 CRC Assm
PDT DEBOSS
RECOMMENDED NECK FINISH

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