



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

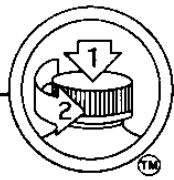
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For cautions and other information relating to handling of
and exposure to this product, please see material safety
data sheet code number C4001 published by Braskem.

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
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.



MOLD-RITE PLASTICS LLC.
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 Plattsburgh NY 12901
 (518)561-1812
<https://www.mrpcap.com>

Product Data Sheet

MRPBK01 Black

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	.88-.92
Melt Index	Available upon request
Pellets	Standard
Recommended Let Down Ratio	100:1
Carrier Resin	PP
Estimated Heat Stability	320 °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; PP94620024, Penn Color 60B4175

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Revisions-03/30/10-Mixing Ratio was corrected to 100:1
 09/23/15-Updated to new format



PRODUCT DATA SHEET

HS 035 HEAT SEAL/20F

MRP Description - (021)HS035.020 R SFYP

PRODUCT DESCRIPTION

Description: A paper-backed aluminum foil coated with a clear heat sealable coating blend of high molecular weight ethylene and vinyl acetate copolymers laminated to polystyrene foam.

FDA Status: Complies with Federal Regulations of H.E.W., FDA, sections 175.105, 175.300, 176.170, 176.180, 177.1350, 178.3710, and 182.1. It is entered in SANCAP Liner's food master file FMF 166 and drug master file DMF 2518.

PHYSICAL AND CHEMICAL PROPERTIES

- | | |
|--|---------------|
| 1. Color | Aluminum |
| 2. Thickness, mils | |
| a) Overall | 22.41 - 28.33 |
| b) Heat Seal Coating | 1.50 - 3.00 |
| c) Aluminum Foil | 0.31 - 0.38 |
| d) Paper | 2.60 - 3.00 |
| e) Foam | 18.00 - 22.00 |
| 3. Basis Wt. Lbs./Ream 3000 ft. ² | |
| a) Overall | 134.3 - 176.9 |
| b) Heat Seal Coating | 20.7 - 41.9 |
| c) Aluminum Foil | 13.3 - 16.2 |
| d) Paper | 33.3 - 36.8 |
| e) Foam | 67.0 - 82.0 |
| 4. Heat Seal Coating | |
| a) Melting Point °F | 150 - 160 |
| b) Blocking Point °F | 130 - 135 |
| 5. Gas Transmission: cc/cin ² /24hrs/1atm | |
| a) Oxygen | nil |
| 6. Water Vapor Transmission | |
| a) gm/cin ² /24hrs/100°F/90%RH | Near zero |

RECOMMENDED STORAGE CONDITIONS

The material should be stored in well-ventilated area (temp. 60° - 80°F; RH - 40% - 60%). Material and lined closures are heat sensitive. Storage or shipping temperatures should not be in excess of 105°F. Curling, blocking, splitting, or foil separation may result. If material becomes chilled, it should be stored under the recommended conditions until stabilized. Avoid storing closure liner materials over 60 days. Metal foil is prone to corrosion.

SUGGESTED PRODUCT USES

Material is an induction heat sealable tamper indicating innerseal which can be used for over-the-counter drug products on Polyethylene, Glass*, PET, PVC, Polystyrene, and Polypropylene.

Dry Products
Milk
Peroxide

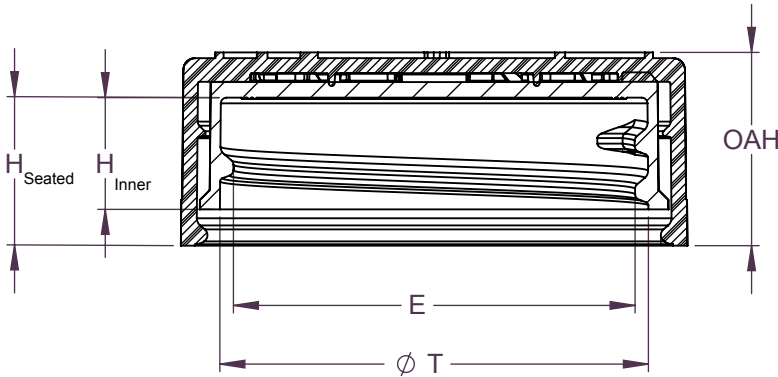
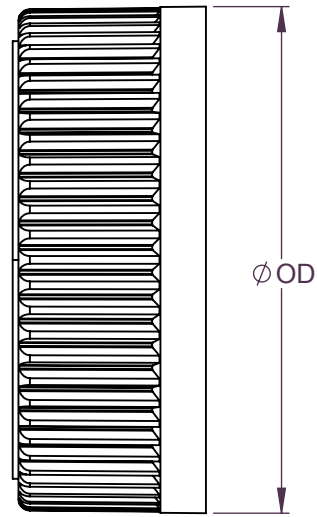
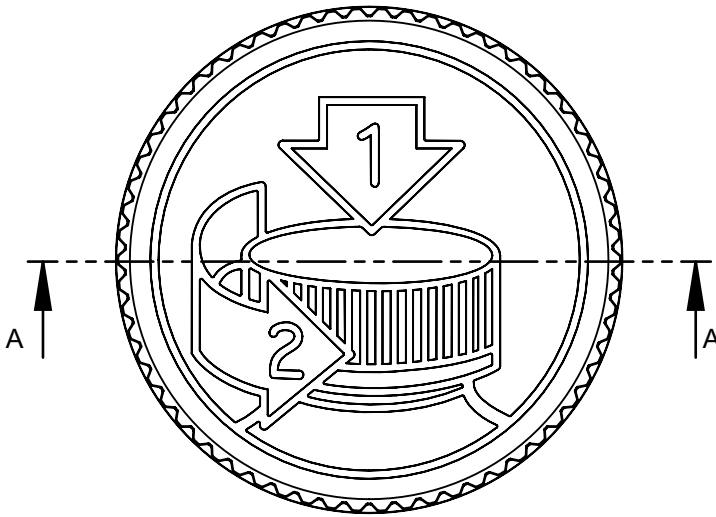
Fruit Juices
Glass Cleaner
Spices

Product applications listed above are a partial listing and do not cover all suitable applications. These are recommendations for general categories and user must test for suitability for their specific product. Not suitable for products containing oil.

**Glass must be treated for proper adhesion.*

The technical information and suggestions for use made herein are based on SANCAP Liner research and experience and are believed to be reliable, but such information and suggestions do not constitute a warranty, and no patent liability can be assumed. Since SANCAP Liner has no control over the conditions under which the product is transported, stored, handled, used, or applied, buyer must determine for themselves, by preliminary tests or otherwise, the suitability of the product for their purposes. All products are sold subject to SANCAP Liner's written warranty, which is in lieu of all other warranties or merchantability and fitness for a particular purpose. SANCAP Liner's liability on any basis is limited to the price of the product used.

PRODUCT NAME: HS035 HEAT SEAL/20F
Rev. 042111



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

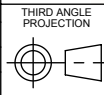
TOLERANCES UNLESS OTHERWISE SPECIFIED

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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DISTRIBUTION
CODE

D

DRAWING NAME

38-400 CRC PDT ASSM
PCTO

DRAWING NUMBER

CQA - 10023

MATERIAL

POLYPROPYLENE

DRAWN BY:

BDG

4/29/2016

ENG APPR.

BDG

2/1/2017

QA APPR.

ACP

02/01/2017

MODEL NUMBER:

PM-10161 38-400 CRC ASSM

SCALE

1:1

SHEET SIZE

11in*8.5in

SHEET

1 of 3

REV.NP

04.AD

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.

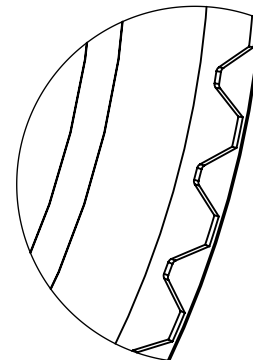
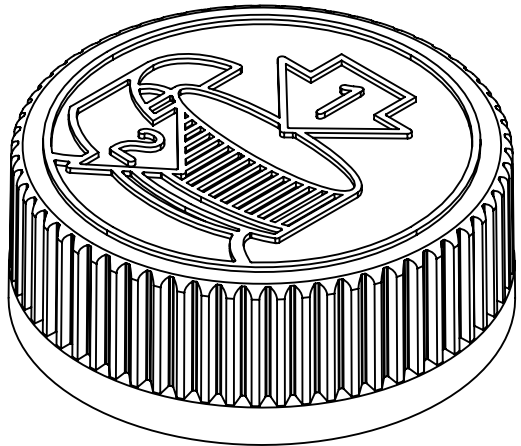
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SPECIFICATIONS AND REQUIREMENTS.

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



**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

TOLERANCES UNLESS OTHERWISE SPECIFIED

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ANGULAR TOLERANCE ± 2°

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DRAWING NAME

**38-400 CRC PDT ASSM
PICTO**

DRAWING NUMBER

CQA - 10023

MATERIAL

POLYPROPYLENE

DRAWN BY.

BDG

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ENG APPR.

BDG

2/11/2017

QA APPR.

ACP

02/01/2017

MODEL NUMBER:

PM-10161 38-400 CRC ASSM

SCALE

1:1

SHEET SIZE

8.5 X 11

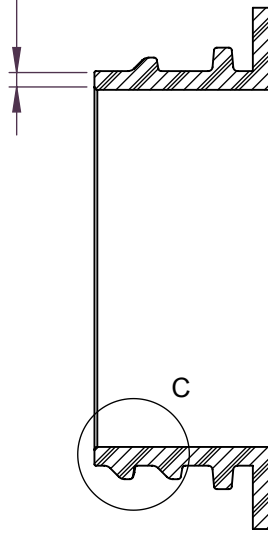
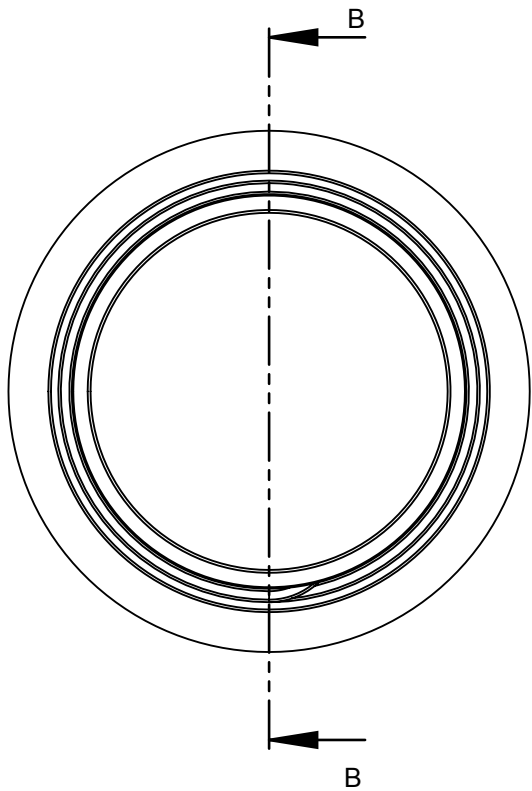
SHEET

2 of 3

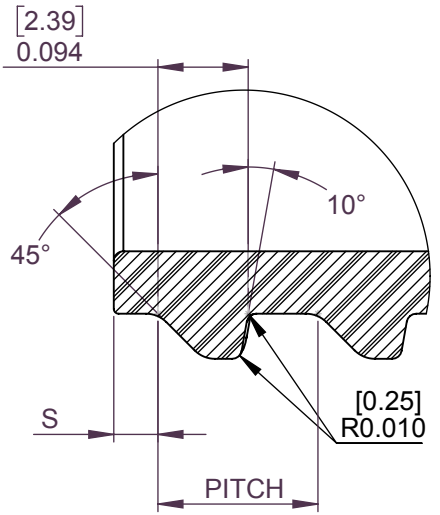
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04.AD

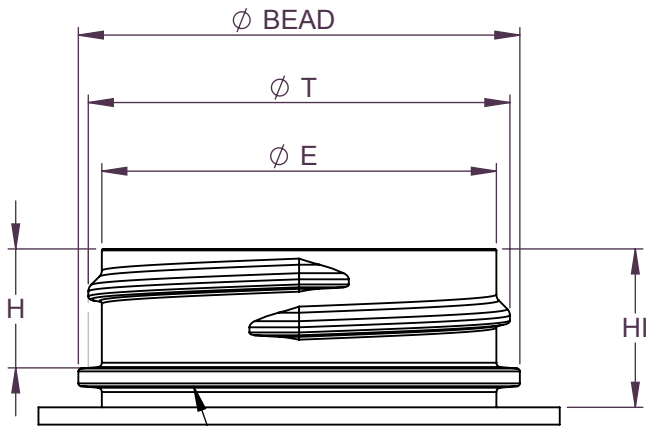
[1.27]
0.050 MINIMUM FLAT
RECOMMENDED FOR
PROPER INDUCTION SEAL



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]

DRAWING TYPE : CUSTOMER

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

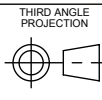
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DRAWING NAME
**38-400 CRC PDT ASSM
RECOMMENDED NECK FINISH**

DRAWING NUMBER
CQA - 10023

DRAWN BY: BDG 4/29/2016

MATERIAL

ENG APPR: BDG 2/1/2017

MODEL NUMBER:

QA APPR: ACP 02/01/2017

SCALE: 1:1 SHEET SIZE: 8 1/2 X 11 SHEET: 3 of 3 REV/N/P: 04.AD

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