



# 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

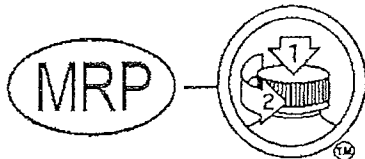
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For cautions and other information relating to handling of  
and exposure to this product, please see material safety  
data sheet code number C4001 published by Braskem.

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Pittsburgh, PA 15219  
1-800-223-8871

Revision Date: Monday,  
March 23, 2009

[www.braskem.com](http://www.braskem.com)



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 PLATTSBURGH, NY 12901  
 (518) 561-1812  
<http://moldriteplastics.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(e) 3.1 for Food & Drug Contact

RoHS Compliant

CONEG/Heavy Metal Compliant

Proposition 65 Compliant

EU Directive 2002/72/EC Compliant

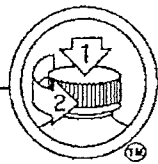
Typical Properties	Method	Typical Value	Unit
<b>Physical</b>			
Density – Specific Gravity	ASTM D 792	.900 - .905	sp gr. 23/23° C
Melt Flow Rate	ASTM D 1238	35.0	g/10 min
<b>Mechanical</b>			
Tensile Strength @ Yield (2 in/min) (50 mm/min)	ASTM D 638	3,100 – 4,000 21.4 – 27	PSI MPa
Flexural Modulus (0.05 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
<b>Impact</b>			
Notched Izod impact (23 °C, Method A)	ASTM D 256	1.4 – 2.4 75 – 128	Ft-lb/in J/m
<b>Thermal</b>			
Heat Deflection (Softening Point) Unannealed DTLU @ 66psi	ASTM D 648	212 – 225 100 – 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.



## 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
Specific Gravity	.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

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Revisions- 03/30/10 – Mixing Ratio was corrected to 100:1.



# PRODUCT DATA SHEET

## HS 035 HEAT SEAL/20F

### For Mold-Rite Plastics, Inc.

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. <sup>2</sup>	
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 <sup>2</sup> /24hrs/1atm	
a) Oxygen	nil
6. Water Vapor Transmission	
a) gm/cin <sup>2</sup> /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. Metal foil is prone to corrosion.

#### SHELF LIFE

Liner material should be used (adhered to bottle) within 8 months of date of manufacture of the lining material. This shelf life is only valid if the lining material is stored according to recommendations above.

#### SUGGESTED PRODUCT USES

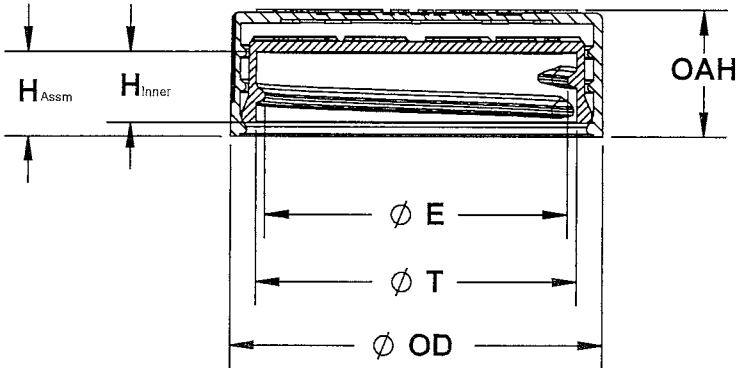
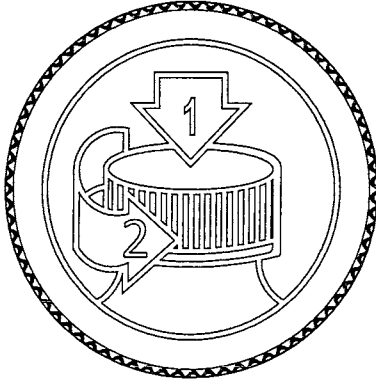
Material is a heat sealable tamper indicating innerseal which can be used for over-the-counter drug products on Polyethylene, Glass, PET, PVC, Polystyrene, and Polypropylene.

Dry Products	Fruit Juices
Milk	Glass Cleaner
Peroxide	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.

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.

SLT\_TDS\_HS035/20FMRP\_Rev.0  
21 Oct. 2009



SECTION X-X  
SCALE 1:1

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

	TOLERANCE	UNITS	
E	±0.010 [0.25]	in [mm]	1.658 [42.11]
T	±0.010 [0.25]	in [mm]	1.752 [44.25]
H <sub>(Assm)</sub>	MINIMUM	in [mm]	0.458 (12.00)
H <sub>(Inner)</sub>	±0.010 [0.25]	in [mm]	0.385 [9.78]
OD	±0.012 [0.30]	in [mm]	2.044 [51.91]
OAH	±0.020 [0.51]	in [mm]	0.698 [17.73]
Part Weight	±1.5	g	9.60

STATIC TORQUE RECOMMENDATION  
18 - 29 in-lbs  
THIS REQUIREMENT MAY VARY  
DEPENDING UPON BOTTLE MATERIAL,  
NECK FINISH, AND CAPPING EQUIPMENT

SUPPERSEDES DRAWING:  
C-8020-0

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**

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  
**45mm-400 PDT CRC  
PICTO LOGO**

DRAWN BY: **BDG** 09/04/15

DRAWING NUMBER  
**CQA-10151**

QA APPR:

MATERIAL  
**POLYPROPYLENE**

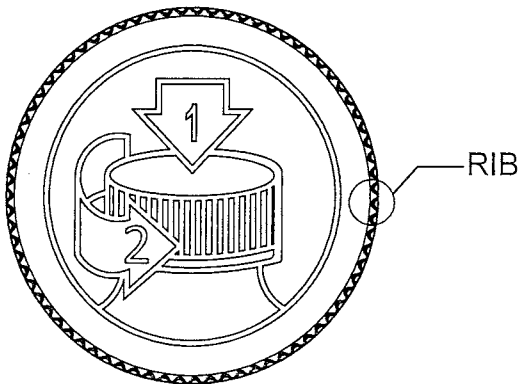
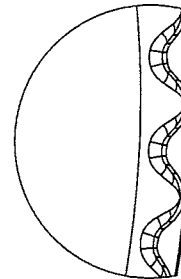
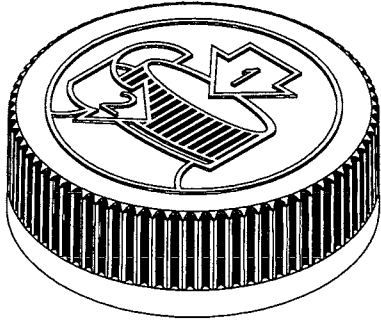
CUSTOMER APPR:

MODEL NUMBER: 45mm PDT CRC Assembly Master Model

SCALE	SHEET SIZE	SHEET	REV	N/P
1:1	8½ x 11	1 of 3	01	AB

REVISION HISTORY

REV	N/P	DATE	REVISION	DE
01	AA	09/04/15	DRAWING RELEASED	B.G.
01	AB	09/18/15	CORRECTED LEADER LOCATIONS FOR T AND E	B.G.



DETAIL RIB  
SCALE 6 : 1  
(75) EQUISPACED RIBS

DRAWING TYPE : CUSTOMER

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7.875-9.843	±0.032	201-250	±0.813

ANGULAR TOLERANCE ± 2°

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DISTRIBUTION CODE  
**D**

DRAWING NAME  
**45mm-400 PDT CRC PICTO LOGO**

DRAWN BY: REFER TO PAGE 1

DRAWING NUMBER  
**CQA-10151**

QA APPR: REFER TO PAGE 1

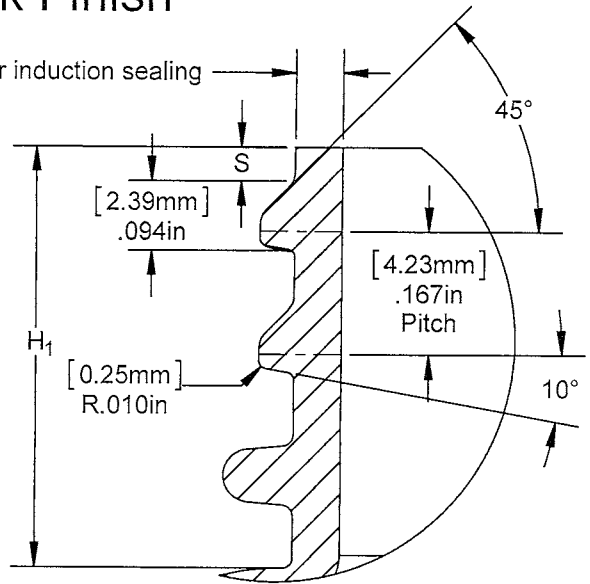
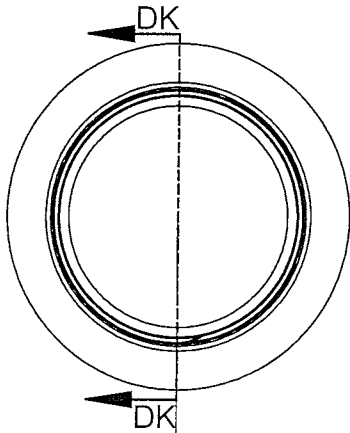
MATERIAL  
**POLYPROPYLENE**

CUSTOMER APPR: REFER TO PAGE 1

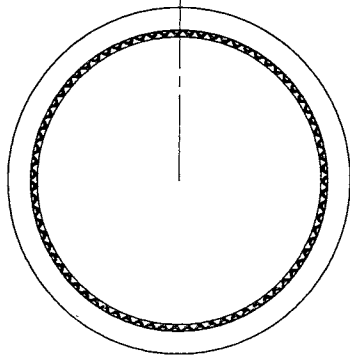
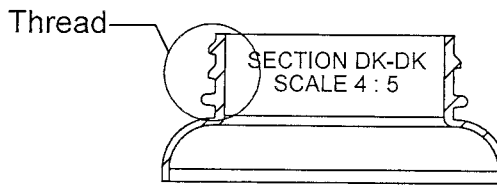
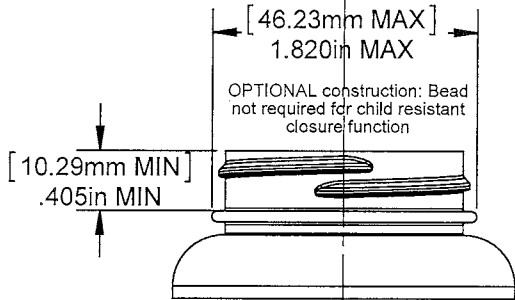
SCALE	SHEET SIZE	SHEET	REV	N/P
1:1	8½ x 11	2 of 3	01	AB

# Recommended Neck Finish

.050 MINIMUM flat for induction sealing



DETAIL Thread  
SCALE 4 : 1



	TOLERANCE	UNITS	
E	±0.017 [0.43]	in [mm]	1.631 [41.43]
T	±0.017 [0.43]	in [mm]	1.725 [43.81]
I	Minimum	in [mm]	1.500 [38.13]
S	±0.015 [0.38]	in [mm]	0.046 [1.17]
H <sub>1</sub>	±0.015 [0.38]	in [mm]	0.570 [14.22]
TPI			6
PITCH		in [mm]	0.167 [4.24]

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THIRD ANGLE PROJECTION  
DISTRIBUTION CODE  
DRAWING NAME  
**45mm CRC NECK FINISH**

D  
DRAWING NUMBER  
**CQA-10151**

DRAWN BY: REFER TO PAGE 1  
QA APPR: REFER TO PAGE 1  
CUSTOMER APPR: REFER TO PAGE 1

MATERIAL

SCALE SHEET SIZE SHEET REV N/P  
1:1 8½ x 11 3 of 3 01 AB