

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

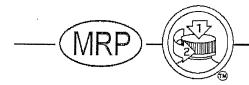
550 Technology Drive

Revision Date: Monday, March 23, 2009

and exposure to this product, please see material safety data sheet code number C4001 published by Braskem.

Pittsburgh, PA 15219 1-800-223-8871

www.braskem.com



MOLD-RITE PLASTICS, LLC

1 PLANT STREET, P.O. BOX 160 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(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	.900905	sp gr. 23/23° C
Melt Flow Rate	ASTM D 1238	35.0	g/10 min
Mechanical			
Tensil Strength @ Yield	ASTM D 638		
(2 in/min) (50 mm/min)		3,100 – 4,000 21.4 – 27	PSI MPa
Flexural Modulus	ASTM D 790		,
(0.05 in/min, 1% Secant, Procedure A) (1 mm/min, 1% Secant, Procedure A)		160,000 – 210,000 1,103 – 1,450	PSI MPa
Impact			
Notched Izod impact	ASTM D 256		
(23 °C, Method A)		1.4 – 2.4 75 – 128	Ft-lb/in J/m
Thermal			
Heat Deflection (Softening Point) Unannealed	ASTM D 648		
DTLU @ 66psi		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. 1 Plant Street P.O. Box 160 Plattsburgh NY 12901 (518)561-1812 https://www.mrpcap.com

Product Data Sheet

MRPWH01 White

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	.90		
Melt Index	30		
Pellets	Standard		
Recommended Let Down Ratio	50:1		
Carrier Resin	PP		
Estimated Heat Stability	450-500 °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; Polymer Concentrates – 10536, Penn Color 60W5221

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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 b) Heat Seal Coating c) Aluminum Foil d) Paper e) Foam	22.41 - 28.33 1.50 - 3.00 0.31 - 0.38 2.60 - 3.00 18.00 - 22.00
3.	Basis Wt. Lbs./Ream a) Overall b) Heat Seal Coating c) Aluminum Foil d) Paper	134.3 - 176.9

4. Heat Seal Coating

a)	Meiting Point of	150 - 160
b)	Blocking Point °F	130 – 135

5. Gas Transmission: cc/cin²/24hrs/1atm

a) Oxygen nil

6. Water Vapor Transmission

a) gm/cin²/24hrs/100°F/90%RH

Near zero

67.0 - 82.0

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.

RECOMMENDED STORAGE CONDITIONS

SUGGESTED PRODUCT USES

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

Dry Products	Fruit Juices
Milk	Glass Cleaner
Peroxide	Spices

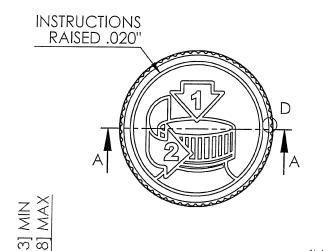
Product applications listed above are a partial listing and do not cover all suitable applications. These are recommendations for general categories and user must test for suitability for their specific product. Not suitable for products containing oil.

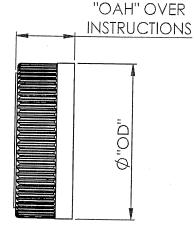
*Glass must be treated for proper adhesion.

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 concitions 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 merchantibility and titness for a particular purpose. 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

Foam

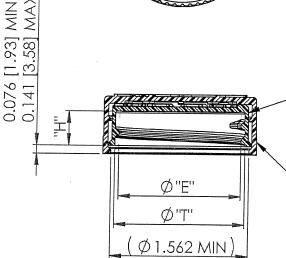






DETAIL D SCALE 5:1

(62) EQUISPACED RIBS



INNER (MOLD 38013, 38017, 38025) COPOLYMER

OUTER (MOLD 38008, 38009, 38014, 38018, 38031) POLYPROPYLENE



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

	TOLERANCE	UNITS	
	TOLERANCE	UNITS	T
Т	±0.010 [0.25]	in [mm]	1.488 [37.80]
Е	±0.010 [0.25]	in [mm]	1.396 [35.46]
Н	±0.008 [0.20]	in [mm]	0.388 [9.86]
OD	±0.013 [0.33]	in [mm]	1.760 [44.70]
ОАН	±0.011 [0.28]	in [mm]	0.671 [17.04]
PART WEIGHT (ASSEMBLY)	±0.7	g	7.1

THIS DRAWING SUPERSEDES C-8019

STATIC TORQUE RECOMMENDATION 17–26 in-lbs

THIS REQUIREMENT MAY VARY DEPENDING UPON BOTTLE MATERIAL, NECK FINISH, AND CAPPING EQUIPMENT

THE CLOSURE DIMENSIONS
DEPICTED ARE THOSE WHICH HAVE
GENERALLY BEEN FOUND TO BE FUNCTIONAL
BASED ON INDUSTRY EXPERIENCE BECAUSE
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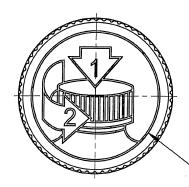
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0.788-1.181 ±0.008 21-30 ±0.203 1.182-2.756 ±0.012 31-70 ±0.305 2.757-3.937 ±0.016 71-100 ±0.406 3.938-5.096 ±0.020 101-150 ±0.508 5.097-7.874 ±0.024 151-200 ±0.610 7.875-9.843 ±0.032 201-250 ±0.813	T		TOLERANCE		TOLERANCE
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2.757-3.937 ±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	- 1	0.788-1,181	±0.008	21-30	±0.203
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7.875-9.843 ±0.032 201-250 ±0.813	Ę	5.097-7.874	±0.024	151-200	±0.610
ANGULAR TOLERANCE ± 2°	_	7.875-9.843	±0.032	201-250	±0.813
	-		ANGULAR TO	LERANCE ± 2°	

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			SCALE 1:1 & NOTED	SHEET SIZE 8½ x 11	SHEET 1 of 3	REV 03	N/P AC

_					6 7		
	REVISION HISTORY						
	REV	N/P	DATE		REVISION	DE	
	00	AA	04/15	5/14	INITIAL DRAWING CREATED	LMB	
	01	AΑ	08/29	/14	UPDATED TOLERANCES FOR VALIDATION OF 38025 INNER MOLD	LMB	
	02	AA	06/18	/15	UPDATED TOLERANCES FOR VALIDATION OF 38029 OUTER MOLD - DRAWING RELEASED	LMB	
	02	ΑВ	06/23	/15	ADDED ALTERNATE PICTO INSTRUCTIONS; WEIGHT WAS 7.0g	LMB	
	02	AC	09/01	/15	ADDED MOLD 38031	LMB	
	03	AC	09/03	/15	OD WAS 1.759	LMB	



INSTRUCTIONS EMBOSSED 0.020 [0.51]

ALTERNATE PICTO INSTRUCTIONS

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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	TOLE	RANCES UNLESS	OTHERWISE SPE	CIFIED			
	DIMENSION (inches)	TOLERANCE	DIMENSION (mm)	TOLERANCE			
ı	0-0.787	±0.006	0-20	±0.152			
ĺ	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 TO	LERANCE ± 2°				
- 1	DECEDETABLY AND CONFIDENTIAL						

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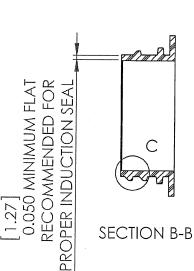
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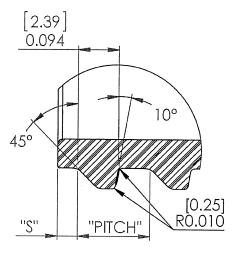
ACTION AND ACTION ACTION AND ACTION AND ACTION ACTION AND ACTION AC

8½ x 11 2 of 3 03 AC

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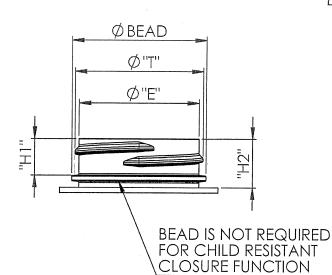
Recommended Neck Finish





DETAIL C SCALE 5:1

THREAD DETAIL



	TOLERANCE	UNITS	
· E	±0.012 [0.30]	in [mm]	1.370 [34.80]
Т	±0.012 [0.30]	in [mm]	1.464 [37.19]
S	±0.015 [0.38]	in [mm]	0.046 [1.17]
H1	±0.015 [0.38]	in [mm]	0.413 [10.49] 0.398 [10.11] MINIMUM (WITH NO LINER)
H2	±0.015 [0.38]	in [mm]	0.550 [13.97] 0.535 [13.59] MINIMUM (WITH NO LINER)
ØBEAD		in [mm]	1.545 [39.24] MAXIMUM
TPI		in	6
PITCH		in [mm]	0.167 [4.23]

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DRAWING TYPE:		CUST	OMER	P
DIMENSIONS ENCLOSED IN () INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED				
TOLERANCES UNLESS OTHERWISE SPECIFIED				1
DIMENSION (inches)	TOLERANCE	DIMENSION (mm)	TOLERANCE	
0-0.787	±0.006	0-20	±0.152	
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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	DR
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PROPRIETARY AND CONFIDENTIAL				QA
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STULI vестнегснеть[,] 38mm CHILD RESISTANT ⊕-⊟ D **CLOSURE** SOLIDWORKS DRAWING NUMBER RAWN BY: REFER TO PAGE 1 CQA-10023 REFER TO PAGE 1 CUSTOMER APPR: SHEET SIZE SHEET REFER TO PAGE 1 8½ x 11 3 of 3 03 AC

One Company - Unlimited Packaging Possibilities