

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 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

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 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 3000 ft. ² a) Overall b) Heat Seal Coating c) Aluminum Foil d) Paper e) Foam	134.3 - 176.9 20.7 - 41.9 13.3 - 16.2 33.3 - 36.8 67.0 - 82.0
4.	Heat Seal Coating a) Melting Point °F b) Blocking Point °F	150 - 160 130 - 135
5.	Gas Transmission: cc/cin²/24hrs a) Oxygen	s /1atm nil
6.	Water Vapor Transmission a) gm/cin²/24hrs/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	Fruit Juices
Milk	Glass Cleaner
Peroxide	Spices

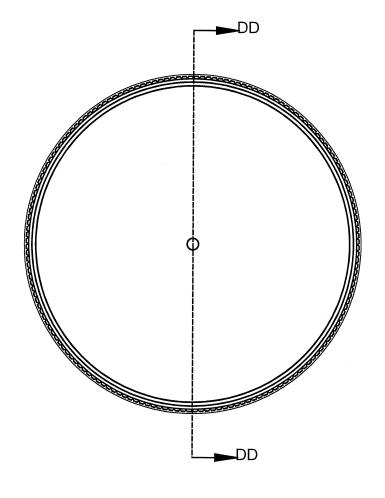
Product applications listed above are a partial listing and do not cover all suitable applications. These are recommendations for general categories and user must test for suitability for their specific product. Not suitable for products containing oil.

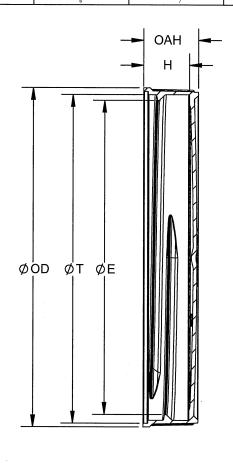
*Glass must be treated for proper adhesion.

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 conditions under which the product is transported, stored, handled, used, or applied, buyer must determine for ihemselves, 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

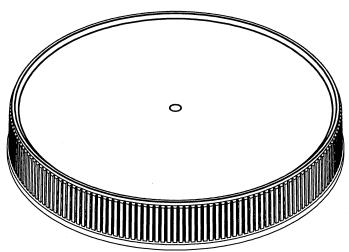
Rev. 042111





SECTION DD-DD

THREAD DETAIL INFORMATION 5 THREADS PER INCH, .200 PITCH, 380° FULL DEPTH THREAD



	TOLERANCE	UNITS	
Е	± 0.013 [0.33]	in [mm]	3.416 [86.77]
Т	± 0.013 [0.33]	in [mm]	3.528 [89.61]
Н	± 0.012 [0.30]	in [mm]	0.502 [12.75]
ОАН	± 0.012 [0.30]	in [mm]	0.601 [15.27]
OD	± 0.013 [0.33]	in [mm]	3.677 [95.76]
Part Weight	±0.90	g	12.00
Replaces C-4017 89mm-400 RM			

STATIC TORQUE RECOMMENDATION

40-70 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
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

TOTAL WITTER OFFICE OF LOW IED				
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 TO	DLERANCE ± 2°		

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One Company - Unlimited Packaging Possibilities

weaтнегснетт:

BDG

STULL

EXPANDED PRODUCT OFFERINGS - MULTIPLE MANUFACTURING LOCATION - UNIVARICHED CUSTOMER SERVICE

THIRD ANGLE PROJECTION 働-⊟ SOLIDWORKS

DRAWN BY:

D

DISTRIBUTION CODE

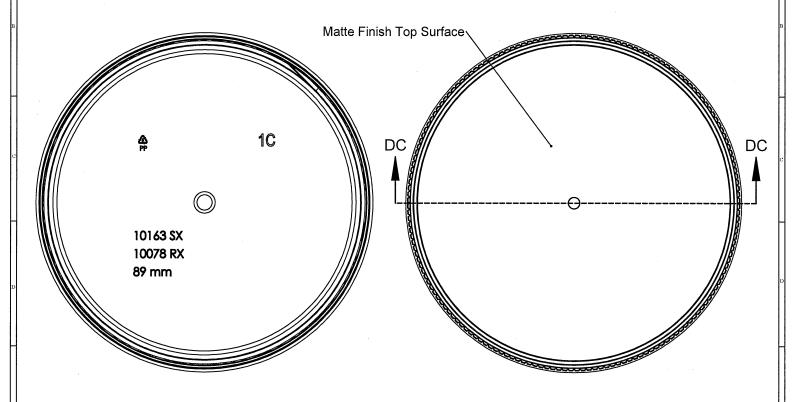
89mm "RX" Closure

01/16/15

CQA 10078 POLYPROPYLENE

MODEL NUMBER: SCALE

 	5	1	6	7	8	
			REVISI	ON HISTORY		
REV	N/P	DATE		REVISION		DE
05	AA	09/17/15	INITIAL RE	ELEASE		BDG



Nesting Profile



SECTION DC-DC SCALE 1:1

THE CLOSURE DIMENSIONS
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DRAWIN	IG TYPE :	CUSTOMER		
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ANGULAR TOLERANCE ± 2°				

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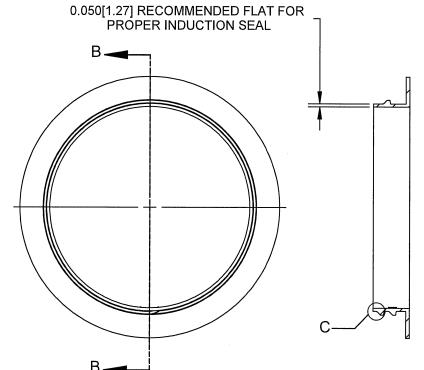
DISTRIBUTION CODE 89mm "RX" Closure ⊕-⊟

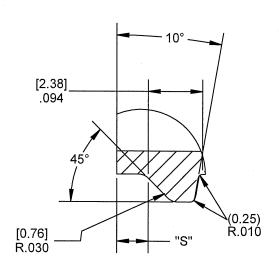
SOLIDWORKS DRAWN BY: REFER TO PAGE 1

QA APPR: REFER TO PAGE 1

CUSTOMER APPR: REFER TO PAGE 1

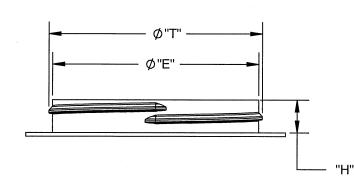
CQA 10078 **POLYPROPYLENE** 8½ x 11 2 of 3 05 AA





DETAIL C SCALE 5 : 1 THREAD DETAIL

SECTION B-B SCALE 1: 1.5



	TOLERANCE	UNITS	
E	± 0.017 [0.43]	in [mm]	3.374 [85.70]
Т	± 0.017 [0.48]	in [mm]	3.494 [88.75]
Н	±0.015 [0.38]	in [mm]	0.535 [13.59]
S	±0.015 [0.38]	in [mm]	0.060 [1.52]
TPI		in [mm]	0.200 [5.08]
PITCH			5

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ANGULAR TOLERANCE ± 2*			

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COLDWORKS DEFENDING REFER TO PAGE 1 QA APPR: REFER TO PAGE 1 MATERIAL POLYPROPYLENE

8½ x 11 | 3 of 3 | 05 | AA

CUSTOMER APPR:

REFER TO PAGE 1