



1 PLANT STREET  
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[MRPCAP.COM](http://MRPCAP.COM)

## Product Data Sheet

### MRP-PP30-1 Grade Polypropylene, Homopolymer Plastic Resin

#### Product Description

MRP-PP30-1 is a high flow polypropylene homopolymer resin designed for injection molding applications requiring good balance stiffness, excellent part finish, process ability, and good mold release.

#### Compliant to the Following Regulatory Standards:

FDA-21 CFR 177.1520(c)  
 EU 10/2011, EC 2002/72  
 RoHS  
 Proposition 65  
 CONEG/Heavy Metal


Typical Properties	Method	Typical Value	Unit
<b>Physical</b>			
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	ASTM D1238	30	g/10 min
<b>Mechanical</b>			
Tensile Strength (50mm/min) (Yield)	ASTM D 638	33.1	MPa
Tensile Elongation (50mm/min) (Yield)	ASTM D 638	10	%
Flexural Modulus – 1% Secant (1.3 mm/min)	ASTM D790A	1380	MPa
Hardness, Rockwell R	ASTM D785	104	-
<b>Impact</b>			
Notched Izod impact (23 °C, Method A)	ASTM D 256A	37	J/m
<b>Thermal</b>			
Heat Deflection (Softening Point) Unannealed DTLU @ 66psi	ASTM D 648	91	°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 warrants this grade to meet typical data values and physical, chemical, and processing properties.

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 misapplication 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 to customer option for replacement (not to exceed the purchase price) with the addition of transportation charges, on material for which damage is claimed.

	<b>Raw Material Product Data Sheet</b>	
	<b>Product Name:</b> MRPWH01	<b>Revision #:</b> A
	<b>Revision Date</b>	<b>03/07/2019</b>
	<b>Effective Date</b>	<b>07/01/2019</b>

**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

**FDA Compliance/Status**

FDA, Title 21 CFR Food & Drug Contact	<input checked="" type="checkbox"/> Compliant	<input type="checkbox"/> Not
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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).

**Additional Compliance/Status (and amendments as of the date of this document)**

Proposition 65, Safe Drinking Water and Toxic Enforcement Act	<input checked="" type="checkbox"/> Compliant	<input type="checkbox"/> Not
CONEG, Model Toxics in Packaging Legislation	<input checked="" type="checkbox"/> Compliant	<input type="checkbox"/> Not
EU 2015/863, as regards the list of restricted substances, RoHS	<input checked="" type="checkbox"/> Compliant	<input type="checkbox"/> 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.*



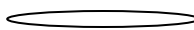
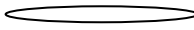
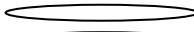
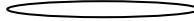
## Product Data Sheet

MRP Description: (A01)MRPLN04.020 FOAM R SFYP

# MRPLN04 – Universal Heat Seal Foam Liner

### Product Description

This product is a 1 piece universal heat seal consisting of foam backing, paper, aluminum foil and heat seal layer.. This specification, designated by Mold-Rite Plastics, covers all liners that meet the typical value data listed below;

-  Polystyrene Foam
-  Paper
-  Aluminum Foil
-  Heat Seal Coating

### Regulatory Compliance

FDA Title 21 CFR Section 177.1210 (Closure with Sealing Gaskets for Food Containers,  
 RoHS Compliant  
 CONEG/Heavy Metal Compliant  
 Proposition 65 Compliant

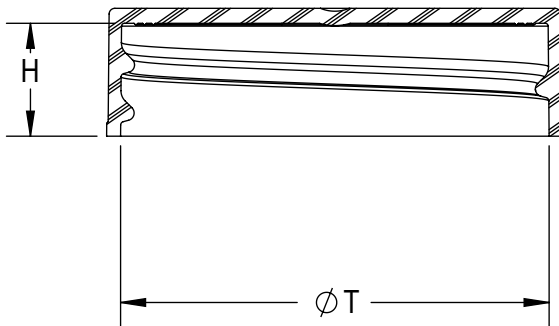
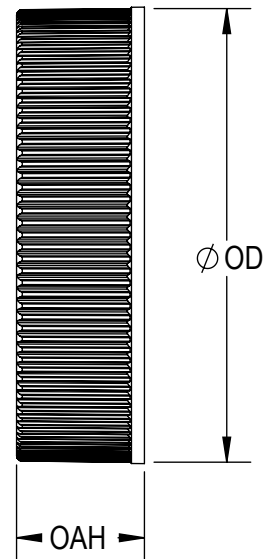
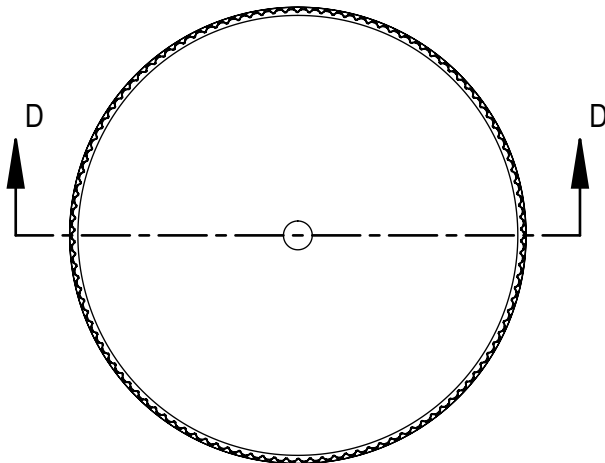
Typical Properties	Typical Value
Overall Thickness	.024 +/- 10%
Drug Master File	16574
Printed	R SFYP
Oxygen Transmission	Essentially Zero
Water Vapor Transmission	Essentially Zero

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 liner that meets that above data values and regulatory requirements.

This product data sheet covers multiple liners that meet the above typical data values and regulatory requirements. All listed liners have similar physical, chemical and processing properties. Listed known liners: HS035, HS 035N, HS205, FS5-8, HSS-5.6

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SECTION D-D

THREAD DETAIL INFORMATION  
6 THREADS PER INCH, 0.167 PITCH

REFERENCE	TOLERANCE	DIMENSION	UNITS
E	±0.010 [0.25]	1.394 [35.41]	in [mm]
T	±0.010 [0.25]	1.488 [37.80]	in [mm]
H	±0.008 [0.20]	0.392 [9.96]	in [mm]
OAH	±0.008 [0.20]	0.444 [11.28]	in [mm]
OD	±0.015 [0.38]	1.590 [40.39]	in [mm]
PART WEIGHT	± 0.30	2.85	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-3008

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

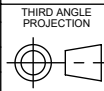
TOLERANCES UNLESS OTHERWISE SPECIFIED

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 CT CLOSURE  
RS (Ribbed - Smooth)**

DRAWING NUMBER  
**CQA - 10015**

MATERIAL  
**POLYPROPYLENE**

MODEL NUMBER:  
**PM 10498 38-400 CT**

DRAWN BY: DAS 5/5/2017

ENG APPR: Admin 1/11/2019

QA APPR: Admin 01/11/2019

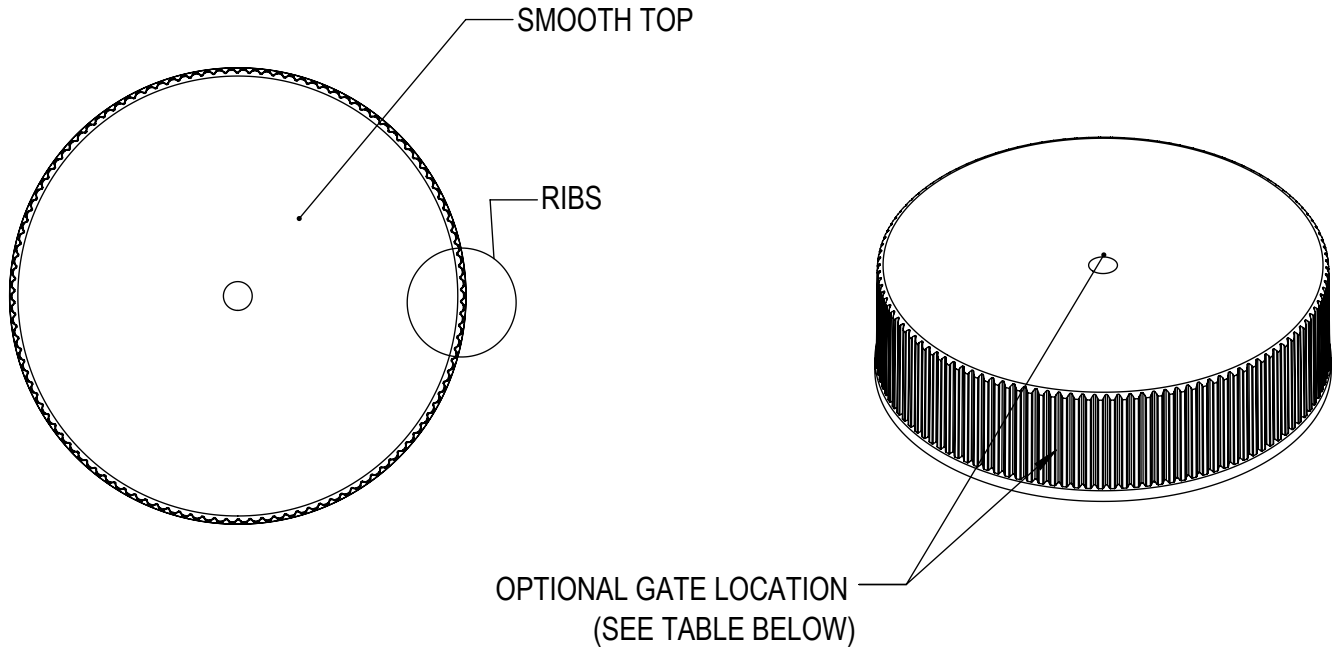
SCALE	SHEET SIZE	SHEET	REV.NP
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THE CLOSURE DIMENSIONS  
DEPICTED ARE THOSE WHICH HAVE GENERALLY BEEN  
FOUND TO BE FUNCTIONAL BASED ON INDUSTRY  
EXPERIENCE BECAUSE OF VARIABILITY IN GLASS AND  
PLASTIC CONTAINER FINISHES, EACH CLOSURE/FINISH  
SYSTEM 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.

REVISIONS

DATE	REV.	N/P	DESCRIPTION	ENG	DRW
2/26/2014	00	AA	INITIAL RELEASE	CM	LB
4/12/2017	00	AB	UPDATED DRAWING FORMAT	JDM	DAS
12/20/2018	00	AC	DRAWING UPDATED TO REFLECT HISTORICAL RUN DATA & PROCESS CAPABILITY. NO CHANGES TO THE STEEL OR PART HAVE OCCURED. UPDATED RNF TO MATCH PRODUCT SPECIFICATIONS	BDG	AMK



MOLD NUMBER	GATE LOCATION
38003	SIDE
38004	SIDE
38011	SIDE
38012	SIDE
38015	SIDE
38016	SIDE
38024	SIDE
38025	SIDE
38030	TOP CENTER

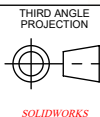
DETAIL RIBS  
SCALE 5 : 1

DRAWING TYPE : CUSTOMER			
REFERENCES: 38003, 38004, 38011, 38012, 38015, 38016, 38024, 38025, 38030		DIMENSIONS ENCLOSED IN ( ) INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED	
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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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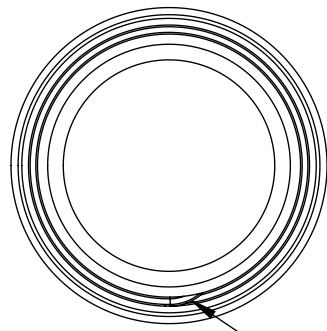
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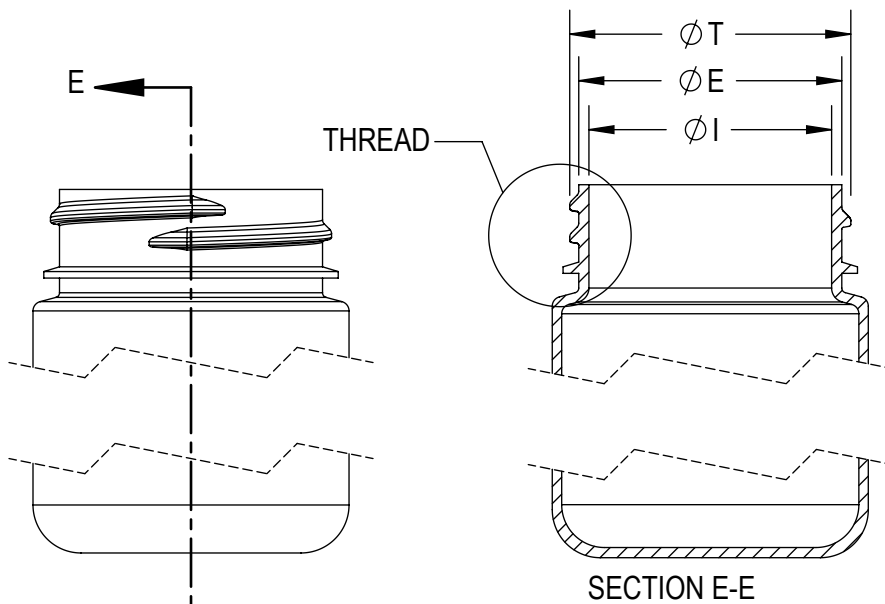
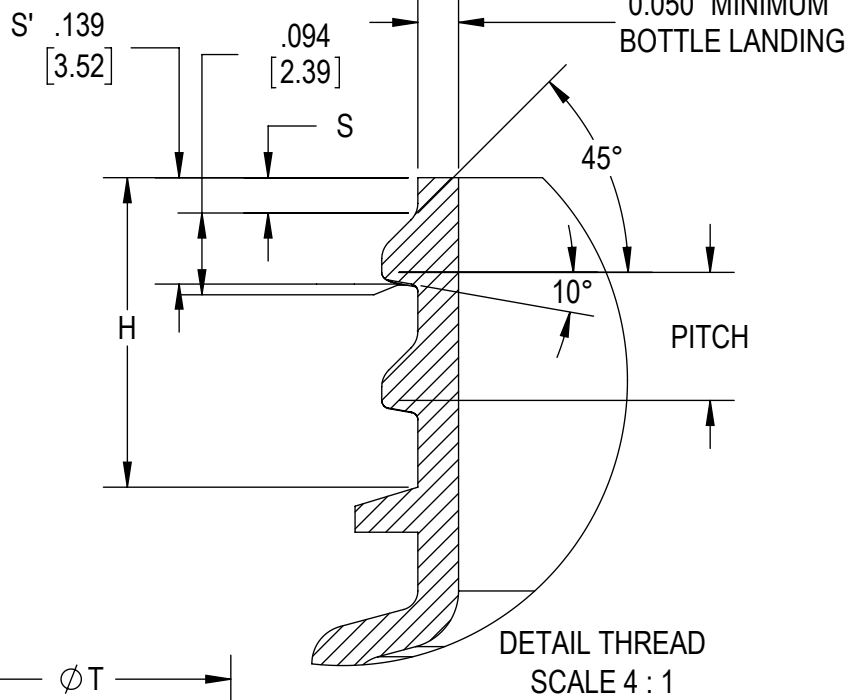
DISTRIBUTION CODE  
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DRAWING NAME <b>38-400 CT CLOSURE RS (Ribbed - Smooth)</b>			
DRAWING NUMBER <b>CQA - 10015</b>			
MATERIAL <b>POLYPROPYLENE</b>			
MODEL NUMBER: <b>PM 10498 38-400 CT</b>			
SCALE	SHEET SIZE	SHEET	REV.NP
3:2	8.5 X 11	2 of 3	00.AC

DRAWN BY.	DAS	5/5/2017
ENG APPR.	Admin	1/11/2019
QA APPR.	Admin	01/11/2019



THREAD START



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]	0.987 [25.07]
S	±0.015 [0.38]	in [mm]	0.046 [1.17]
H	MINIMUM	in [mm]	0.407 [10.34]
PITCH		in [mm]	0.167 [4.24]
TPI			6

NOTE: THE NOMINAL ORIENTATION ILLUSTRATED IS BASED ON NOMINAL DIMENSIONS OF BOTH THE CLOSURE AND THE RECOMMENDED NECK FINISH. FOR EXACT ORIENTATION EACH BOTTLE SHOULD BE EVALUATED ON A CASE BY CASE BASIS.

DRAWING TYPE : CUSTOMER

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

TOLERANCES UNLESS OTHERWISE SPECIFIED

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DRAWING NAME

38-400 CT CLOSURE  
RECOMMENDED NECK FINISH

DRAWING NUMBER

CQA - 10015

MATERIAL

MODEL NUMBER:

DRAWN BY: DAS

5/5/2017

ENG APPR: Admin

1/11/2019

QA APPR: Admin

01/11/2019

SCALE	SHEET SIZE	SHEET	REV/N/P
1:1	8.5 X 11	3 of 3	00.AC

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