



1 PLANT STREET
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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

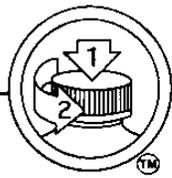
Typical Properties	Method	Typical Value	Unit
Physical			
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	ASTM D1238	30	g/10 min
Mechanical			
Tensile Strength (50mm/min) (Yield)	ASTM D 638	33.1	MPa
Tensile Elongation (50mm/min) (Yield)	ASTM D 638	10	%
Flexural Modulus – 1% Secant (1.3 mm/min)	ASTM D790A	1380	MPa
Hardness, Rockwell R	ASTM D785	104	-
Impact			
Notched Izod impact (23 °C, Method A)	ASTM D 256A	37	J/m
Thermal			
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 warranties 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.



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

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

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.



Freshness and Protection for Today's Packaging

FoilSeal™ Technical Data Sheet

.008" C1S FS 5-10

Revision: FS510-08272014

MRP Description - (510)FS5-10/C1S.008 PB PL

Product	.008" C1S FS 5-10																	
Scope	One piece board backed heat induction foil innerseal which combines ease of removal with tamper-evident properties. It will seal to all, standard container materials and will allow internal pressure to vent through the paper layer.																	
Composition	<table border="1"> <thead> <tr> <th>Material</th> <th>Standard</th> <th>Metric</th> </tr> </thead> <tbody> <tr> <td>Backing</td> <td>.008"</td> <td>.2032 mm</td> </tr> <tr> <td>Foil</td> <td>.001"</td> <td>.0254 mm</td> </tr> <tr> <td>Paper</td> <td>.005"</td> <td>.127 mm</td> </tr> <tr> <td>Heat Seal</td> <td>.0015"</td> <td>.0381 mm</td> </tr> </tbody> </table>	Material	Standard	Metric	Backing	.008"	.2032 mm	Foil	.001"	.0254 mm	Paper	.005"	.127 mm	Heat Seal	.0015"	.0381 mm		
Material	Standard	Metric																
Backing	.008"	.2032 mm																
Foil	.001"	.0254 mm																
Paper	.005"	.127 mm																
Heat Seal	.0015"	.0381 mm																
Adhesive or resin bonding layers not shown.																		
FDA Status: 21 CFR 177.1210	Recommended Storage and Handling: Refer to Website.																	
Drug Master File (DMF): #4544	EU / EP Reg.: Does not meet Article 3a of Reg. No. 2023/2006 and Article 3 of Reg. No. 1935/2004.																	
GTR Oxygen: 122.1 cc Oxygen/100 IN2 * 24hrs. @ 100° F, ASTM F-2622-08	MVTR: 1.52 gm water/100IN2 * 24 hrs. @ 75° F, ASTM F-1249																	
Print Location: Heat Seal Layer and/or Backing																		
Sealing to glass containers: Selig can not guarantee the performance or seal integrity of this materials when applied to any glass (treated or untreated) container. We suggest you contact your glass supplier for recommendations on glass treatments that may or may not improve performance or seal integrity.																		

Selig materials are compliant with current USFDA Food allergen Guidelines.

Selig materials are compliant with California Proposition 65 labeling requirements.

Selig materials are compliant with limitation of heavy metals in packaging per CONEG & EU 94/62/EC, article 11.

Recommended for use with dry food products. Is not suitable for use with fatty or alcoholic food types per ECC Reg. № 10/2011. Determining specific organoleptic compatibility per Article 3a of ECC Reg. № 2023/2006 is the responsibility of the food packager.

MSDS's are not required as Selig is not a chemical manufacturer or distributor and our products are 'articles' intended for food packaging per 29 CFR 1910.1200 (HazCom).

The information contained within this product data bulletin is to be used as a general guide in determining which structures are offered for sealing to specific container materials. All of the information which we provide is reliable to the best of our knowledge, but the accuracy thereof is not guaranteed. We suggest that consumers determine suitability for their own application.

www.seligsealing.com

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Selig Sealing Products, Inc.
342 E Wabash St
Forrest, IL 61741, USA
Phone: +1 (815) 785-2100
Fax: +1 (815) 657-7584

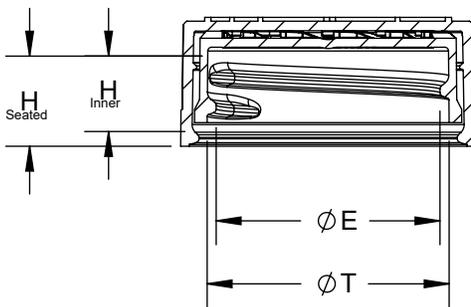
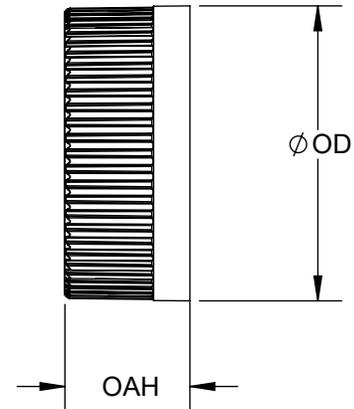
North American Sales
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Phone: +1 (630) 922-3158
Fax: +1 (630) 922-8469

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Swiss Manufacturing
Selig Switzerland LTD
Bahnhofstrasse 11
CH-8172 Niederglatt
Phone: +41 (0) 44 851 50 50
Fax: +41 (0) 44 851 50 51





SECTION EW-EW

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

REFERENCE	TOLERANCE	UNITS	DIMENSION
E	± 0.015 [0.38]	in [mm]	1.182 [30.02]
T	± 0.015 [0.38]	in [mm]	1.276 [32.41]
H (Seated)	Reference	in [mm]	0.519 [13.18]
H (Inner)	± 0.010 [0.25]	in [mm]	0.390 [9.91]
OD	± 0.020 [0.51]	in [mm]	1.545 [39.24]
OAH	± 0.016 [0.41]	in [mm]	0.667 [16.94]
PART WEIGHT	± 1.4	g	5.9

STATIC TORQUE RECOMMENDATION
15-25 in-lbs
 THIS REQUIREMENT MAY VARY DEPENDING
 UPON BOTTLE MATERIAL, NECK FINISH, AND
 CAPPING EQUIPMENT

DRAWING TYPE : CUSTOMER

REPLACES DRAWINGS:
 C-8018

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

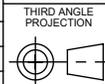
TOLERANCES UNLESS OTHERWISE SPECIFIED

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

33-400 CRC Assm
 PICTO

DRAWING NUMBER

CQA - 10257

MATERIAL

POLYPROPYLENE

MODEL NUMBER:

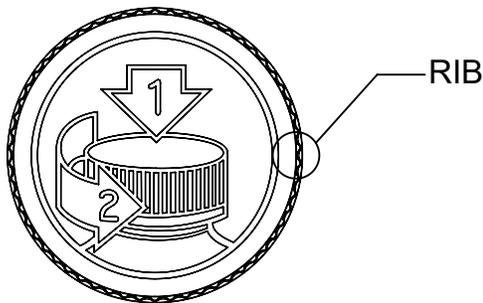
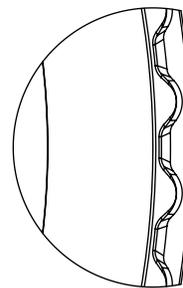
PM 10139 33-400 CRC PDT Assembly

SCALE	SHEET SIZE	SHEET	REV NP
1:1	8.5" X 11"	1 of 3	00.AB

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	PRODUCT DRAWING REQUEST	DESCRIPTION	ENG	DRWN
05/13/16	00	AA		DRAWING RELEASED	BDG	BDG
07/06/17	00	AB		UPDATED DRAWING FORMAT. H (SEATED) REFERENCE UPDATED TO 0.519	BDG	BDG



DETAIL RIB
SCALE 6 : 1
(58) EQUISPACED RIBS

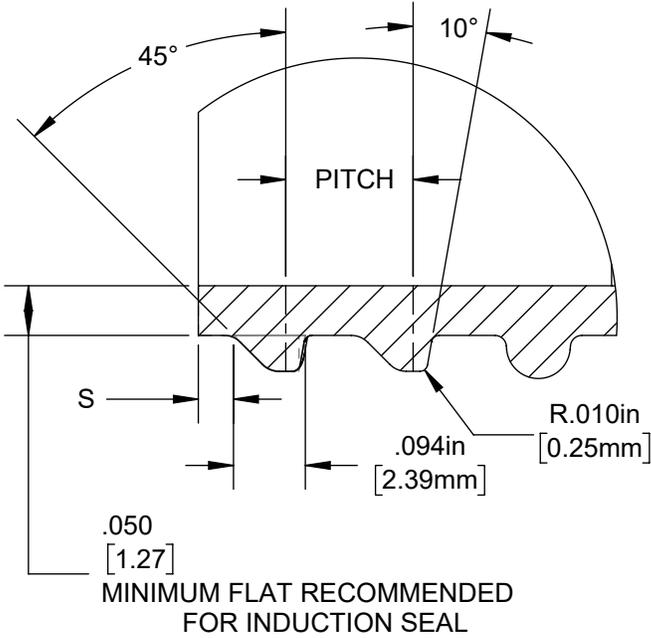
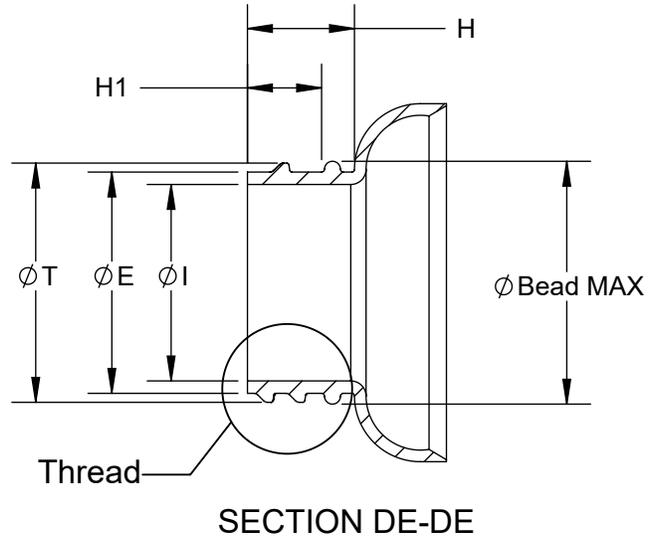
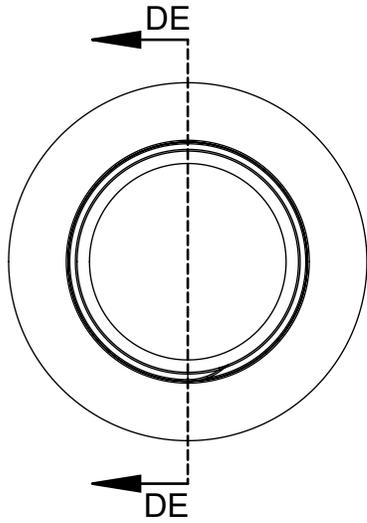
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DRAWING TYPE : CUSTOMER			
REFERENCES:		DIMENSIONS ENCLOSED IN () INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED	
TOLERANCES UNLESS OTHERWISE SPECIFIED			
DIMENSION (inches)	TOLERANCE	DIMENSION (mm)	TOLERANCE
0-0.787	±0.006	0-20	±0.152
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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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THIRD ANGLE PROJECTION	DISTRIBUTION CODE	DRAWING NAME	
	D	33-400 CRC Assm PICTO	
DRAWN BY: BDG 5/13/2016		DRAWING NUMBER: CQA - 10257	
MATERIAL: POLYPROPYLENE		MODEL NUMBER: PM 10139 33-400 CRC PDT Assembly	
ENG APPR: BDG 7/6/2017	QA APPR: REL 9/20/2017	SCALE: 1:1	SHEET SIZE: 8.5" X 11"
		SHEET: 2 of 3	REV.NP: 00.AB



DETAIL Thread
SCALE 4 : 1

REFERENCE	TOLERANCE	UNITS	DIMENSIONS
E	± 0.008 [0.20]	in [mm]	1.159 [29.43]
T	± 0.008 [0.20]	in [mm]	1.253 [31.82]
I	MINIMUM	in [mm]	1.000 [25.40]
S	± 0.015 [0.38]	in [mm]	0.046 [1.17]
H	MINIMUM	in [mm]	0.550 [13.97]
H1	MINIMUM	in [mm]	0.405 [10.29]
Bead	MAXIMUM	in [mm]	1.330 [33.78]
TPI		in	6
PITCH		in [mm]	0.167 [3.18]

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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DISTRIBUTION CODE

D

DRAWING NAME

33-400 CRC Assm
RECOMMENDED NECK FINISH

DRAWING NUMBER

CQA - 10257

MATERIAL

MODEL NUMBER:

DRAWN BY: BDG

5/13/2016

ENG APPR: BDG

7/6/2017

QA APPR: REL

9/20/2017

SCALE
1:1

SHEET SIZE
8.5" X 11"

SHEET
3 of 3

REV/N/P
00.AB

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