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

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.

550 Technology Drive

Pittsburgh, PA 15219
1-800-223-8871

Revision Date: Monday, March 23, 2009

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	.900 - .905	sp gr. 23/23º C
Melt Flow Rate	ASTM D 1238	35.0	g/10 min
Mechanical			
Tensil 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 ºC, 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	 ºF ºC
Processing Range	-----	400 – 500	ºF

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

Revision Date: 07/15/2014

	Raw Material Product Data Sheet	
MOLD-RITE PLASTICS Innovative • Reliable • Responsive	**Product Name:** MRPBK01	**Revision #: A**
	Revision Date	August 14, 2019
	Effective Date	October 14, 2019

Product Name:

MRPBK01

Product Description:

FDA Compliant black colorant intended to be used with injection-molded plastic resin

Product Data:

Additives	None

Typical Properties	Typical Value
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	☒ Compliant	☐ Not

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	☒ Compliant	☐ Not
CONEG, Model Toxics in Packaging Legislation	☒ Compliant	☐ Not
EU 2015/863, as regards the list of restricted substances, RoHS	☒ Compliant	☐ Not

For further regulatory information, please contact Mold Rite Plastic's customer service or sales department.

Selig liners

Freshness and Protection for Today's Packaging

FoilSeal™ Technical Data Sheet

.008" C1S FS 5-10

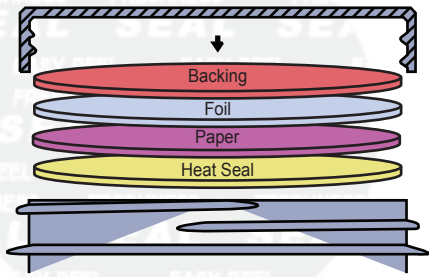
Revision: FS510-08272014

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

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).

www.seligsealing.com

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Slough Berkshire SL14BH UK
Phone: +44 (0) 1753 773 000
Fax: +44 (0) 1753 773 111

Canadian Manufacturing
Selig Canada, ULC
145 Edward Street
Aurora, Ontario Canada, L4G 1W3
Phone: +1 (905) 727-0114
Fax: +1 (905) 727-8544

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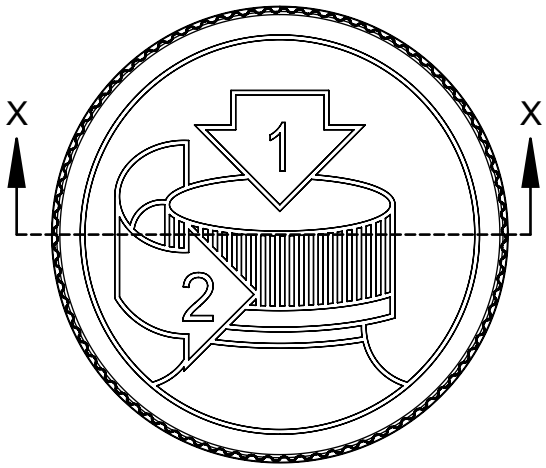
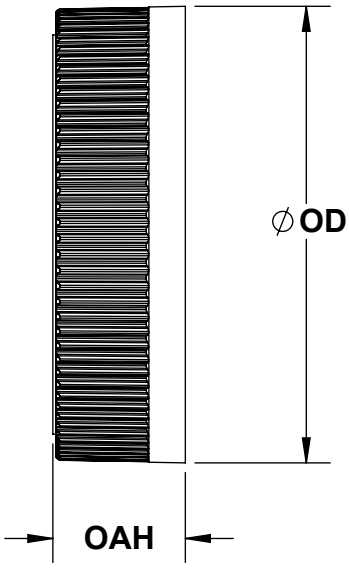
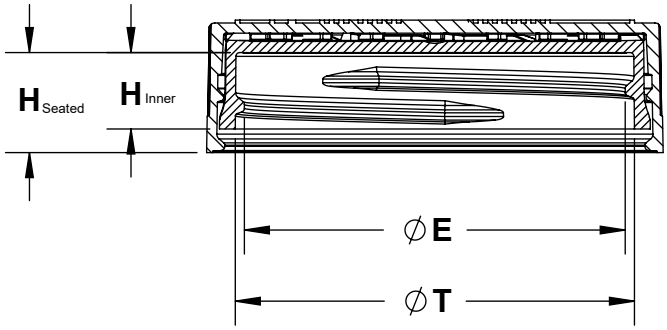
CH-8172 Niederglatt
Phone: +41 (0) 44 851 50 50
Fax: +41 (0) 44 851 50 51

ISO 9001:2008 10001987 · ISO 9001:2008 by knight international inspectorate · UKAS QUALITY MANAGEMENT 182 · Certified System ISO9001:2008 SIC# 2672 · BUREAU VERITAS ISO 9001:2008 CH1398374







SECTION X-X
SCALE 1 : 1

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

REFERENCE	TOLERANCE	DIMENSION	UNITS
E	±0.012 [0.30]	1.985 [50.42]	in [mm]
T	±0.012 [0.30]	2.079 [52.81]	in [mm]
H [Seated]	REFERENCE	0.521 [13.23]	in [mm]
H [INNER]	±0.012 [0.30]	0.398 [10.11]	in [mm]
OD	±0.018 [0.46]	2.388 [60.66]	in [mm]
OAH	±0.020 [0.51]	0.690 [17.53]	in [mm]
PART WEIGHT	± 1.4	12.8	g

STATIC TORQUE RECOMMENDATION
21-36 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.

MOLD-RITE, WEATHERCHEM AND STULL TECHNOLOGIES RESERVES THE RIGHT TO REVISE ANY OR ALL SPECIFICATIONS AND REQUIREMENTS.

DRAWING TYPE : CUSTOMER

REPLACES DRAWINGS: C-8026

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°

PROPRIETARY AND CONFIDENTIAL

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THIRD ANGLE PROJECTION

SOLIDWORKS

DISTRIBUTION CODE: D

DRAWING NAME: 53-400 CRC Assm
PICTO

DRAWING NUMBER: CQA - 10095

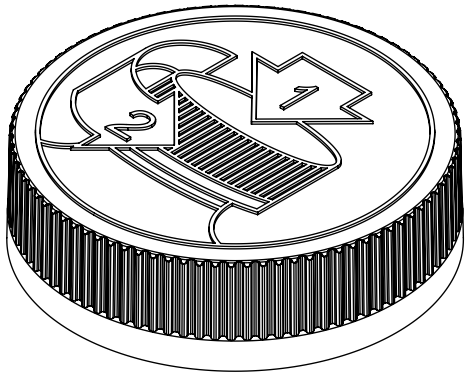
DRAWN BY.	BDG	3/1/2016
ENG APPR.	BDG	9/11/2018
QA APPR.	REL	9/11/2018

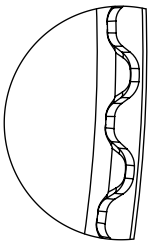
MATERIAL: POLYPROPYLENE

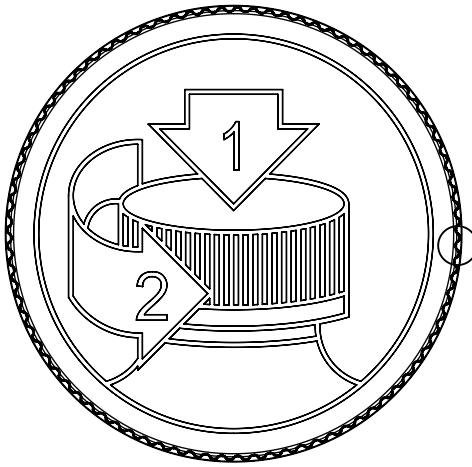
MODEL NUMBER: PM 10135 53-400 PDT CRC Assm

SCALE	SHEET SIZE	SHEET	REV.NP
1:2	8.5" X 11"	1 of 3	02.AC

REVISION HISTORY					
DATE	REV	N/P	DESCRIPTION	ENG	DRW
03/11/15	01	AA	DRAWING RELEASED	BDG	-
09/29/15	01	AB	UPDATED SPECIFICATIONS BASED ON PRODUCTION VALIDATION	BDG	-
02/10/16	02	AA	UPDATED ASSEMBLY MODEL WITH REVISED INNER. CRC ENGINE ANGLE REVISED	BDG	-
07/07/16	02	AB	UPDATED SPCIFICATION BASED ON RE-QUALIFICATION OF MOLDS	BDG	-
09/11/18	02	AC	UPDATED DRAWING FORMAT. CORRECTED (mm) CONVERSION FOR "I" DIMENSION PAGE 3	BGD	BDG







DETAIL RIB
SCALE 6 : 1
(88) EQUISPACED RIBS

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DRAWING TYPE : CUSTOMER

REFERENCES:

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TOLERANCES UNLESS OTHERWISE SPECIFIED

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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: 53-400 CRC Assm PICTO

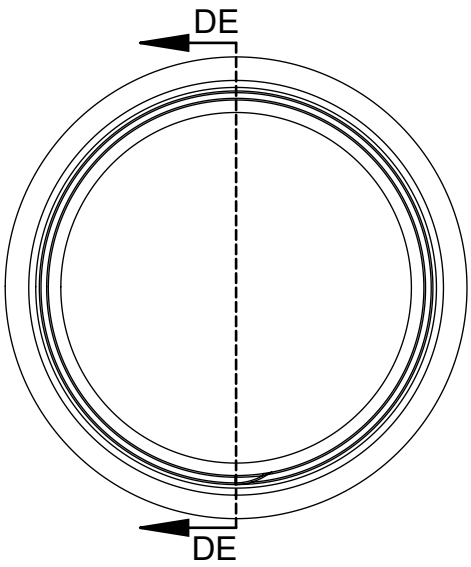
DRAWING NUMBER: CQA - 10095

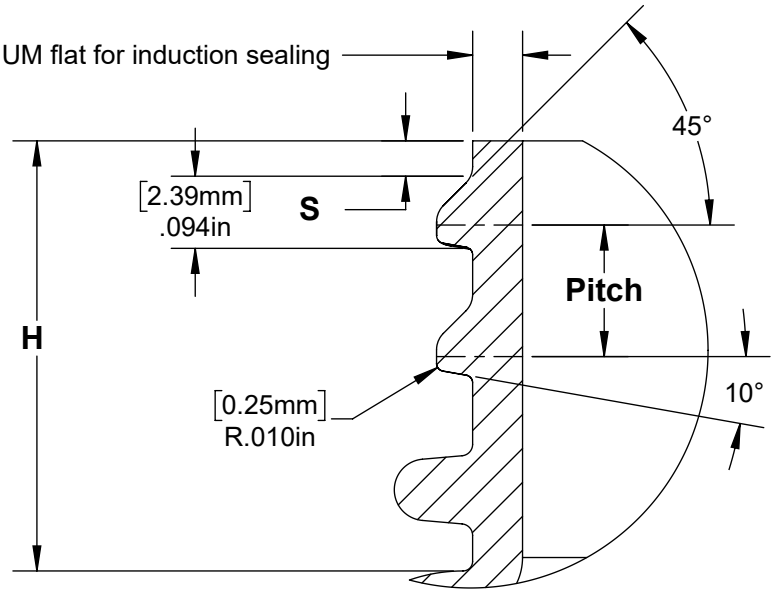
DRAWN BY.	BDG	3/1/2016
ENG APPR.	BDG	9/11/2018
QA APPR.	REL	9/11/2018

MATERIAL: POLYPROPYLENE

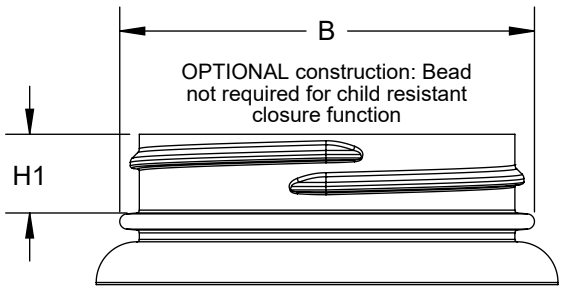
MODEL NUMBER: PM 10135 53-400 PDT CRC Assm

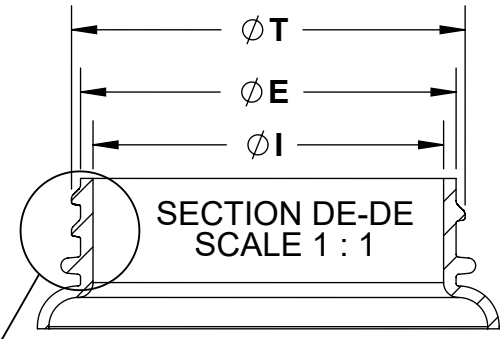
SCALE	SHEET SIZE	SHEET	REV.NP
1:2	8 .5" X 11"	2 of 3	02.AC



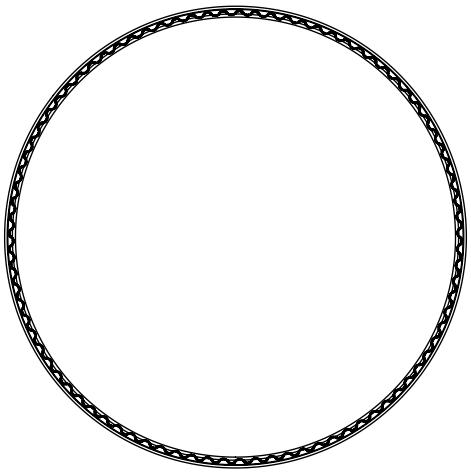


DETAIL Thread
SCALE 4 : 1





Thread



REFERENCE	TOLERANCE	UNITS	DIMENSION
E	± 0.017 [0.43]	in [mm]	1.956 [49.68]
T	± 0.017 [0.43]	in [mm]	2.050 [52.07]
I	MINIMUM	in [mm]	1.578 [40.08]
S	±0.015[0.38]	in [mm]	0.046 [1.17]
H	MINIMUM	in [mm]	0.560 [14.22]
H1	MINIMUM	in [mm]	0.410 [10.41]
B	MAXIMUM	in [mm]	2.160 [54.86]
TPI			6
PITCH		in [mm]	0.167 [4.24]

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.

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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: 53-400 CRC Assm
RECOMMENDED NECK FINISH

DRAWING NUMBER: CQA - 10095

DRAWN BY.	BDG	3/1/2016	MATERIAL
ENG APPR.	BDG	9/11/2018	MODEL NUMBER:
QA APPR.	REL	9/11/2018	

SCALE	SHEET SIZE	SHEET	REV.N/P
1:2	8 .5" X 11"	3 of 3	02.AC