



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

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Revision Date: Monday,  
March 23, 2009

[www.braskem.com](http://www.braskem.com)

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## 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 PRESSURE SEAL

MRP Description – (023)PS22.020 B SFYP

### PRODUCT DESCRIPTION

**Description:** A polystyrene foam coated with a pressure sensitive coating.

**FDA Status:** Complies with Federal Regulations of H.E.W., FDA, Sections 175.125, 175.300, 177.1640, 178.3010, and 178.3710. It is entered in SANCAP's food master file FMF 166 and drug file DMF 2518.

### PHYSICAL AND CHEMICAL PROPERTIES

<b>1. Color</b>	White - Plain or Printed
<b>2. Thickness, mils</b>	
(a) Overall	20.0 - 25.0
(b) Wax	2.0 - 3.0
(c) Foam	18.0 - 22.0
<b>3. Basis Wt. Lbs./Ream 3000 ft<sup>2</sup></b>	
(a) Overall	92.46 - 120.12
(b) Wax	25.46 - 38.12
(c) Foam	67.00 - 82.00
<b>4. Gas Transmission: cc/cin<sup>2</sup>/24hrs/1atm</b>	
(a) Oxygen	109.68
<b>5. Water Vapor Transmission</b>	
(a) gm/cin <sup>2</sup> /24hrs/100°F/90%RH	0.27
<b>6. Melting Point of</b>	170 - 180
<b>7. Softening Point of</b>	148 - 152

### 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 and pressure sensitive. Storage or shipping temperatures should not be in excess of 105°F. Blocking may result. If material becomes chilled, it should be stored under the recommended conditions until stabilized. Avoid storing closure liner materials over 60 days.

### SUGGESTED PRODUCT USES

Material is a styrene foam inner seal coated with a torque activated coating. It has adhesion to glass and plastic bottles with metal or plastic caps. Sealing properties should be checked after being sealed for 12 hours.

Dry Products	Spices
Candy	Syrup

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 his specific product. Not suitable for products containing oil.

The technical information and suggestions for use made herein are based on SANCAP 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 has no control over the conditions under which the product is transported, stored, handled, used or applied, buyer must determine for himself, by preliminary tests or otherwise, the suitability of the product for his purposes. All products are sold subject to SANCAP's written warranty, which is in lieu of all other warranties or merchantability and fitness for a particular purpose. SANCAP's liability on any basis is limited to the price of the product used.

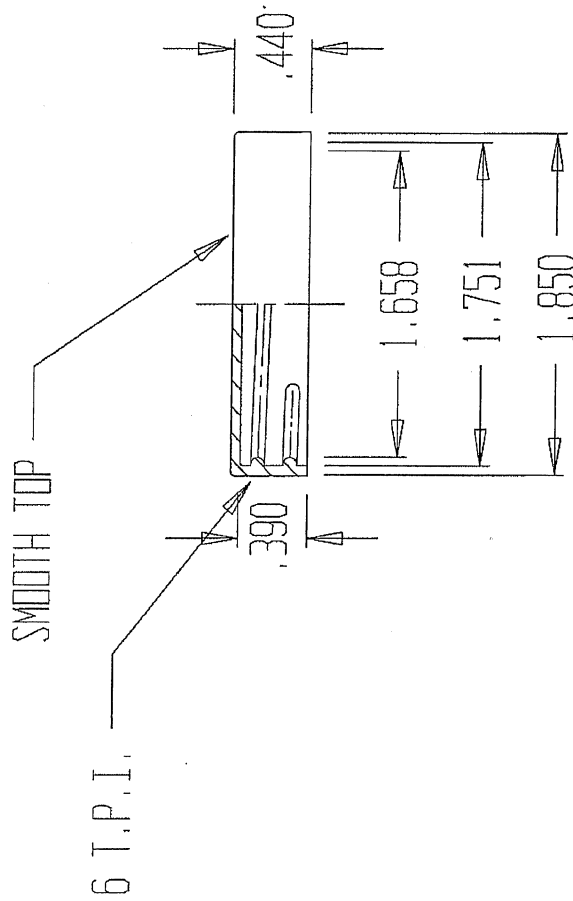
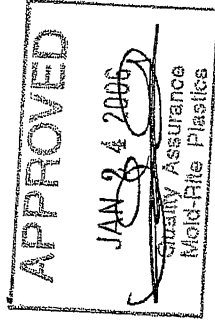
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11/05/03

SPD Rev. 4 (02)

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# REVISIONS

V.	DATE	APPROVAL	DESCRIPTION
	1-24-06	G.G.	WEIGHT



UNCONTROLLED

"T"	"R"	"H"	"A"	"B"
.751	1.658	.390	1.850	.440
MATERIAL: POLYPROPYLENE				
WEIGHT: 3.6 GRAMS (+/- 1 GRAM)				

"S" 45M.M./400 CAP				
MOLD-RITE PLASTICS INC. PLATTSBURGH, NEW YORK				
TOLERANCE: +/- .010		DRAWN BY: P.D.T.		
SCALE: FULL		DATE: 9-4-96		DRAWING NO. C-1010

# Document Revision History

<b>Document Type</b> PRODUCT DRAWINGS	<b>Number</b> C-1010	<b>Document Title</b> S-45mm-400 Cap
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Rev. No	Change Details	Active Date
0		09/04/96
1	Updated weight limit per actual part weight. Previous measurements based on calculations. No too change.	01/24/06