For more information and technical assistance contact:

Chevron Phillips Chemical Company LP P.O. Box 4910 The Woodlands, TX 77387-4910 800.231.1212



PREMIUM EXTRUSION AND RIGID PACKAGING RESINS

# Marlex<sup>®</sup> HHM 5502BN

HIGH DENSITY POLYETHYLENE

# This high molecular weight, hexene copolymer is tailored for lightweight blow molded containers that:

- Require excellent stiffness
- Require exceptional processability
- Are durable and recyclable for sustainability

### Typical blow molded applications for HHM 5502BN include:

- Ice chests and coolers
- Household and industrial chemical containers
- Food packaging
- Pharmaceuticals

#### This resin meets these specifications:

- ASTM D4976 PE 235
- FDA 21 CFR 177.1520(c) 3.2a, use conditions Bthrough H per 21 CFR 176.170(c)
- Listed in the Drug Master File

NOMINAL PHYSICAL PROPERTIES <sup>(1)</sup>	English	SI	Method
Density		0.955 g/cm <sup>3</sup>	ASTM D1505
Melt Index, 190/2.16		0.35 g/10 min	ASTM D1238
Tensile Strength at Yield, 2 in/min, Type IV bar	4,000 psi	27 MPa	ASTM D638
Elongation at Break, 2 in/min, Type IV bar	600%	600%	ASTM D638
Flexural Modulus, Tangent - 16:1 span:depth, 0.5 in/min	200,000 psi	1,370 MPa	ASTM D790
ESCR, Condition B (100% Igepal), F 50	35 h	35 h	ASTM D1693
Brittleness Temperature, Type A, Type I specimen	<-103°F	<-75°C	ASTM D746

1. The nominal properties reported herein are typical of the product, but do not reflect normal testing variance and therefore should not be used for specification purposes. Values are rounded. The physical properties were determined on compression molded specimens that were prepared in accordance with Procedure C of ASTM D4703, Annex A1.

MSDS #240370

Revision Date May, 2007

Another quality product from



The Woodlands, Texas

Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suited and the information is applicable to the user's specific application. Chevron Phillips Chemical Company LP does not make, and expressly disclaims, all warranties, including warranties of merchantability or fitness for a particular purpose, regardless of whether oral or written, express or implied, or allegedly arising from any usage of any trade or from any course of dealing in connection with the use of the information contained herein or the product itself. The user expressly assumes all risk and liability, whether based in contract, tort or otherwise, in connection with the use of the information contained herein or otherwise, and with the use of the information contained herein or the product itself. Further, information contained herein to make or otherwise, as well as federal, state or local laws which may be encountered in the use thereof. Such questions should be investigated by the user.

# PolyOne



# Technical Data Sheet

### ONCOLOR WHITE #05-089 (CC10075392)

**Color Masterbatch** 

**Product Description** 

ONCOLOR WHITE #05-089 (CC10075392)

### **General Key Characteristics**

ONCOLOR WHITE #05-089 (CC10075392) is a LL/LDPE based Bead product.

Concentrate	
Color	- White
Carrier	- LL/LDPE
Typical Addition Rate	- 2.00 %
Regulatory Information	<ul> <li>Based upon the information provided to us by our suppliers, we certify that, to the best of our knowledge, the product identified on this data sheet, when used at the recommended use rates, alone should not cause the products manufactured to exceed the limits for heavy metals prescribed under the CONEG Model Toxics Legistlation; namely that, except as exempted by that model legislation, the sum of the concentration levels of lead, cadmium, mercury and hexavalent chromium present in any such product or component is not to exceed 100 parts per million by weight (0.01%).</li> </ul>
Food Contact Status	- Product may suitable for some FDA applications.
Drug Master File	- Drug Master File exists for this product.

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# PolyOne

# Technical Data Sheet

## ONCOLOR WHITE #05-089 (CC10075392)

### Physical

**Product Form** 

- Bead

### Packaging

ONCOLOR WHITE #05-089 (CC10075392) is supplied in Bead form and packed in 50 lb. boxes, 250 lb PlanetPak<sup>™</sup> boxes, or 1000 lb gaylords. The product should be stored in a dry place and kept free of contamination.

### Contact Information Americas

United States – Avon Lake, Ohio +1 440 930 1000 Argentina – Buenos Aires +54 11 4200 5917 Brasil – Campinas +55 19 3206 0561 Mexico - Toluca +52 722 279 0200

#### Asia

China – Shanghai +86 (0) 21 5080 1188 China – Shenzhen +86 (0) 755 2969 2888 India – Mumbai +91 22 2564 0750 +91 9820 194 220

### Asia - cont'd

Thailand – Rachatewa, Bangplee Samutprakarn +66 (0) 2327 9100

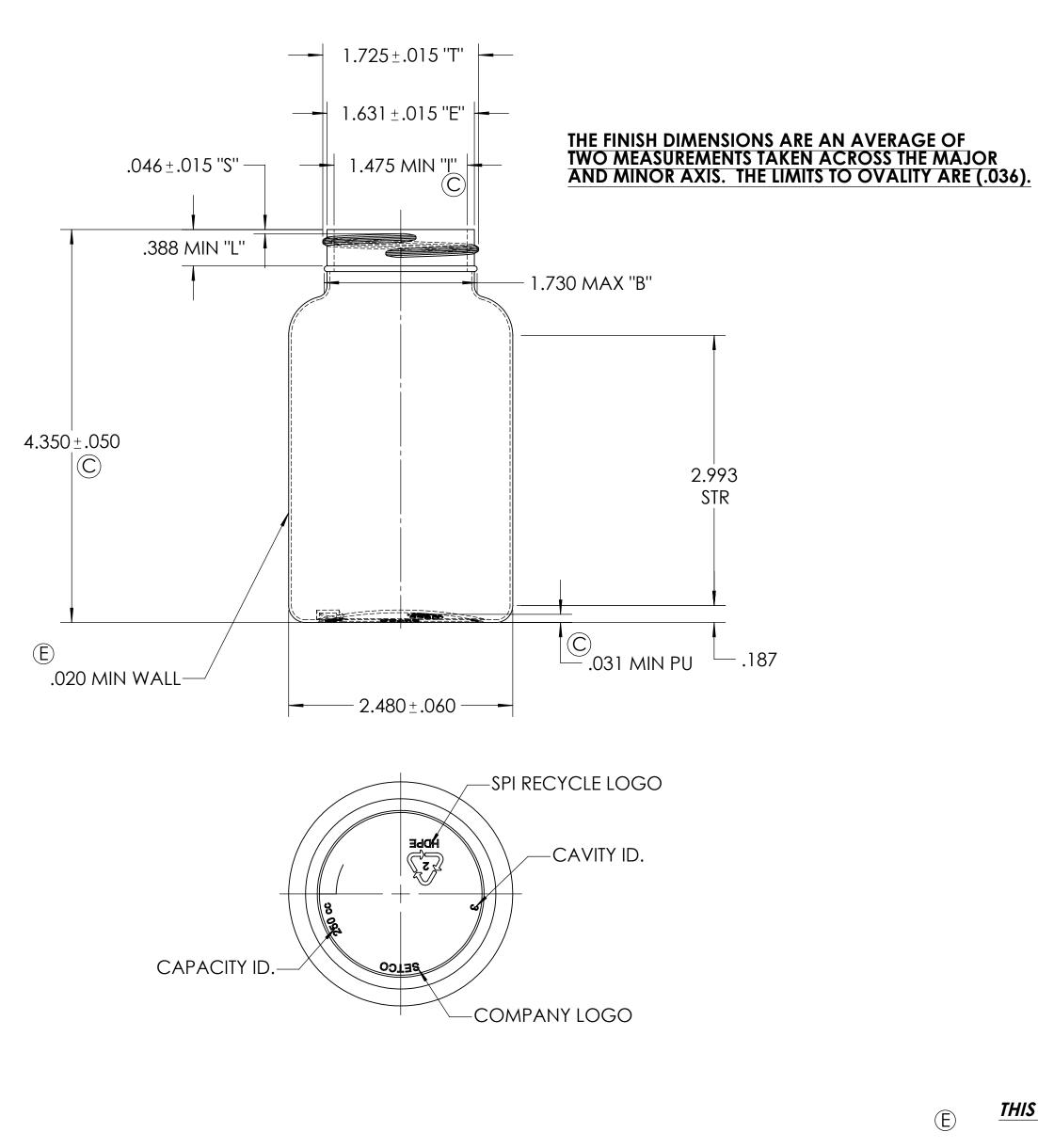
#### Europe

Belgium – Assesse +32 (0) 830 660 211 Czech Republic – Praha 1 +42 (0) 224 142 214 Denmark – Glostrup +45 (0) 43 206 300 France – Saint-Ouen L'Aumone +33 (0) 134 403 950 France - Tossiat +33 (0) 474 426 970 Germany - Bendorf +49 (0) 2622 700 90

#### Europe - cont'd

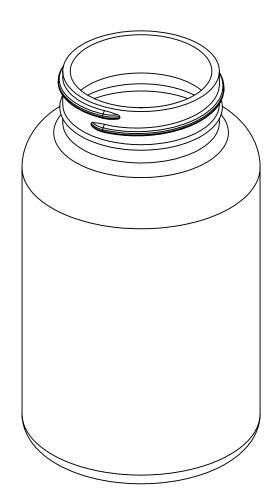
Hungary – Gyor +36 (0) 96 515 610 Italy – Gallarate +39 03 31 797 448 Poland – Kutno +48 12 296 48 80 Spain – Oricain- Navarra +34 (0) 948-331-011 Sweden – Angered +46 (0) 31 928 450

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REFEREN ECO 25

LET	PER	REVISION	ΒY	DATE
С	ECO 25	REDRAWN TO NEW SETCO STANDARDS; CHG. 4.350 ±.050 WAS 4.350 ±.032; OFC 281.00 CC ± 7.0 CC WAS 276.5 CC ±7.0 CC; 1.475 MIN "I" WAS 1.500 MIN "I"; .031 MIN PU WAS .106 ±.031	SMJ	4-4-03
D	ECO0162	22.3 +/- 2 GMS WAS 21.6 +/-2 GMS	BGG	10/14/04
E	EWR 27080078	ADDED .020 MIN WALL, ADDED PRELIMINARY NOTE	FAB	9/16/08



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ENCE	THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND MAY NOT BE DISCLOSED TO OTHERS OF USED FOR MANUFACTURING	DESIGNED BY <b>Steve Johnso</b>	n 4-4-03	<u>کر</u>	$\mathcal{M}$			555
25	PURPOSES WITHOUT WRITTEN PERMISSION FROM SETCO INCORPORATED.	BY Steve Johnso	n date <b>4-4-03</b>	[		)	A SUBSIDIARY OF McCORMIC	K & COMPANY, INC.
				4875			3008, ANAHEIM, CA 92817-1	0808
		22.3 GMS ±2	2.0 GMS °	TITLE	250	$\sim \sim$		YED
	DIMENSIONS ARE IN INCHES UNLESS SPECIFIED	OVERFLOW CAPACITY	$\overline{C}$	250 CC A-LINE PACKER		-NLN		
	TOLERANCE UNLESS SPECIFIED	281.0 CC ±7	/.0 CC 🙂	ENG NO.	M4250	DRAWING NO.	B8451	REV.
	.XXX.034ANGLES	NE <u>CK</u> FINISH						
	.XX ± .X trinish frac. t	L45SP400		SCALE	FULL	PRODUCT NAME:	B45PA250	)GA