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® HHM 5502BZ

HIGH DENSITY POLYETHYLENE

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

- Require consistent mold-release properties
- Require excellent stiffness
- Require exceptional processability
- Are durable and recyclable for sustainability

### Typical applications for HHM 5502BZ include:

- Pharmaceuticals
- Injection blow molding

## This resin meets these specifications:

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

NOMINAL PHYSICAL PROPERTIES (1)	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	210,000 psi	1,440 MPa	ASTM D790
ESCR, Condition C (100% Igepal), F50	35 h	35 h	ASTM D1693
Brittleness Temperature, Type A, Type I specimen	<-103°F	<-75°C	ASTM D746

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



Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and sultability 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 the product itself. Further, information contained herein is given without reference to any intellectual property issues, as well as federal, state or local laws which may be encountered in the use thereof. Such questions should be investigated by the user.





# 110017-A White PE MB

# **Product Information**

# **Physical Properties**

# **Carrier Resin**

Type	LLDPE	
Melt Index	20	(nominal) ASTM D1238, 190°C / 2.16 kg
Density	0.92	gm/cc

### Masterbatch

Specific Gravity	2.07	(nominal)
Melt Index	7-18	(nominal) ASTM D1238, 190°C / 2.16 kg
Ash	74%	(nominal)

### **Regulatory Status**

Due to the wide range of applications for this product regulatory information cannot be covered adequately in a technical datasheet.

Please contact RegulatoryNorthAmerica@ampacet.com for regulatory information.

### Storage - Shelf Life

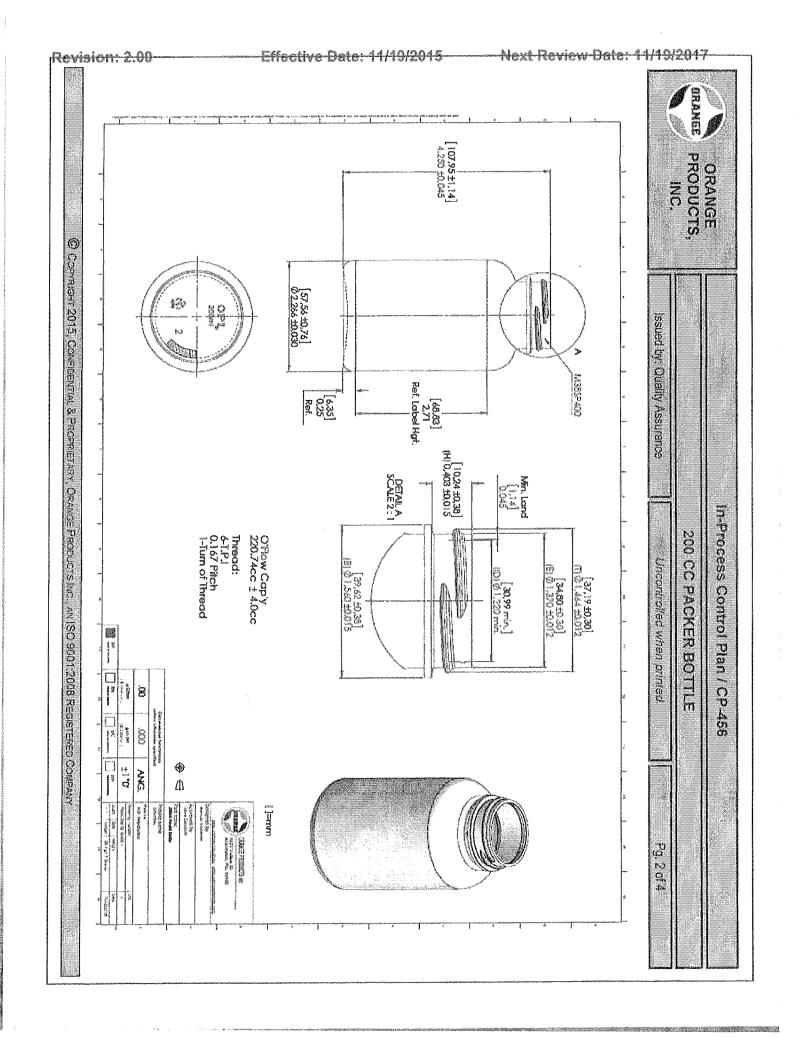
It is recommended to use this masterbatch within 24 months of the production date. It should not be stored outside.

#### Comments

The amount of masterbatch depends on the performance requirements of the final application. This product is primarily designed for film applications.

Issued: 18 May 2015

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PRODUCTS, 30

ORANGE

Issued by: Quality Assurance

In-Process Control Plan / CP-456 200 CC PACKER BOTTLE

Uncontrolled when printed

Pg. 3 of 4



SHALL PRODUCTS IN.

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Approved by Steve DeSmeat Part name 200ml Round Bottle National by

됬 Secure by Constant Į Execute for Production 8 , , , , K; Weight 20.6 ± 1.5 Grans

7 board for Debaractor

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beautiful for Approval

(±.064mm) ±.025m

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Drawing number

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Material
H.D. Polyethylene

unless otherwise specified Dimensional tolerances

Project name

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