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Product Specification Sheet

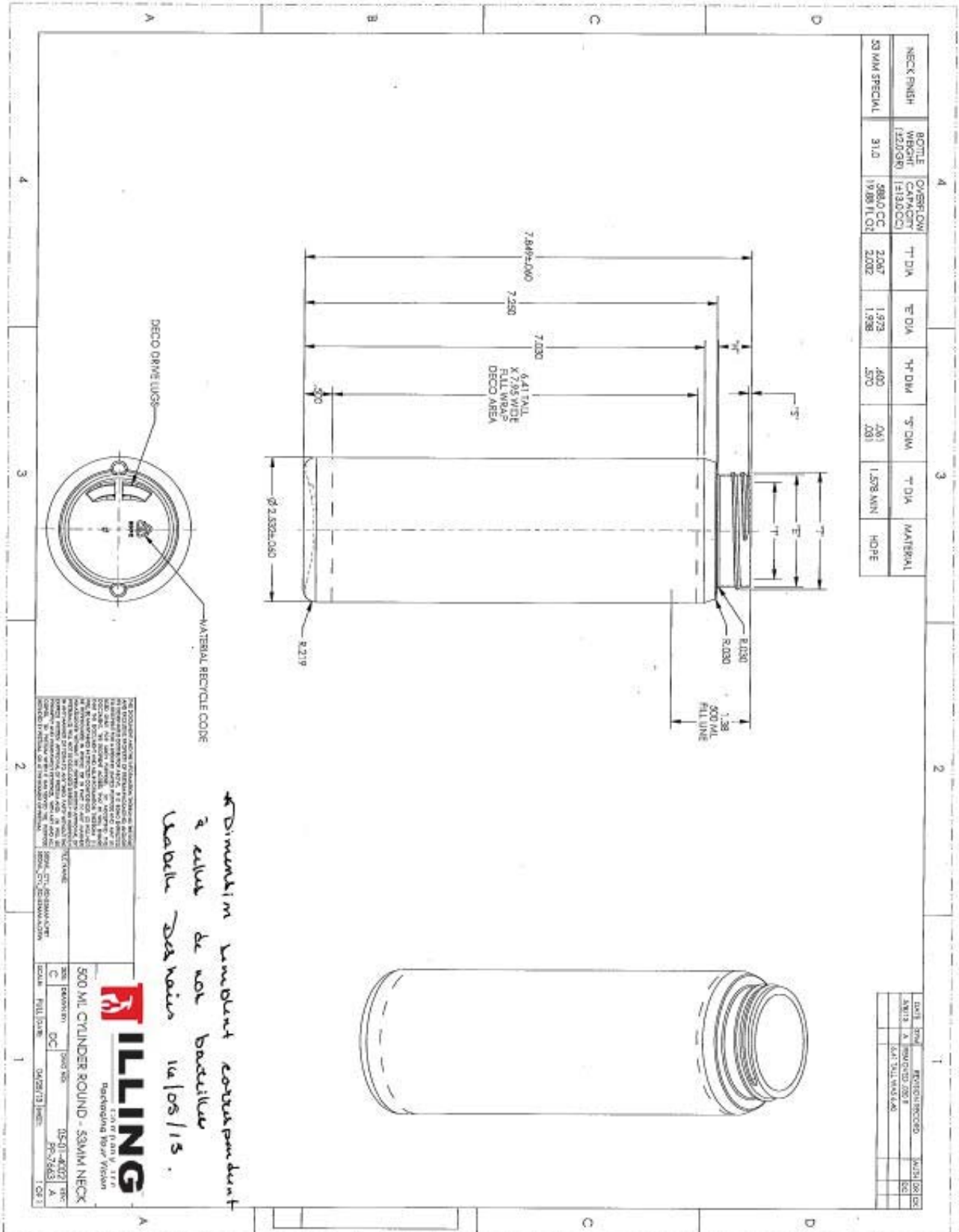
Illing Part#

3551W

500 ML WHITE HDPE CYLINDER 53-400; FLAMED

Part #: 3551W

Size:	500 ML
Color:	White
Material:	HDPE
Style:	Cylinder Round Flamed Bottle
Additional Info:	53-400 Neck
Case Pack:	216 each
Pallet Pack:	2,592 each



DECOD DRIVE LOGO
MATERIAL RECYCLE CODE

*Dimensionnement bouteille correspondante
à celui de nos bouteilles
Uselle des vases 16/05/15.*

ILLING
Packaging Your Vision

500 ML CYLINDER ROUND - 35MM NECK

DATE: 04/28/13
REV: 1

ILLING
1500 W. 11th St.
St. Louis, MO 63103
TEL: 314.241.1111
WWW.ILLINGPACKAGING.COM



TECHNICAL DATA

PRODUCT NAME	MB20-9615
PRODUCT DESCRIPTION	White Polyethylene Masterbatch
PRODUCT CODE	M279615
CARRIER RESIN	Linear Low Density Polyethylene Melt Index – 6 gm/10 mins.
PIGMENT PACKAGE	Titanium Dioxide –50%
REGULATORY	FDA – complies with 21CFR 177.1520, 178.2010 & 178.3297 as being suitable for food contact applications. No limitations. HEALTH CANADA – once customer has made submission to CFIA, we will provide Health Canada with our formulation, upon their request. We are confident that the formulation for this product will receive a Letter of No Objection. HEAVY METALS – none intentionally added LATEX – none intentionally added PHTHALATES – none intentionally added
PRODUCT SPECIFICATIONS	Melt Index ASTM -D1238 – 7 ± 4 Specific Gravity ASTM- D792 - 1.50 ± 0.05 Dispersion ST401(specks/sq.in.) – Max 1 Solids ST405 – 50 ±2
DATE	June 29, 2015

This information is not to be taken as a warranty or representation for which we assume legal responsibility nor as permission or recommendation to practice any patented invention without a license. It is offered solely for your consideration, investigation and verification. Results are based on laboratory work and do not necessarily indicate end product performance. Full scale testing and end product performance are the responsibility of the purchaser.

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 ³	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), 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



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 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.