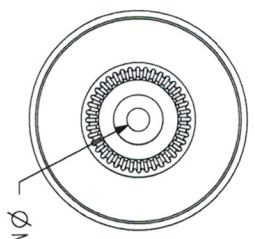
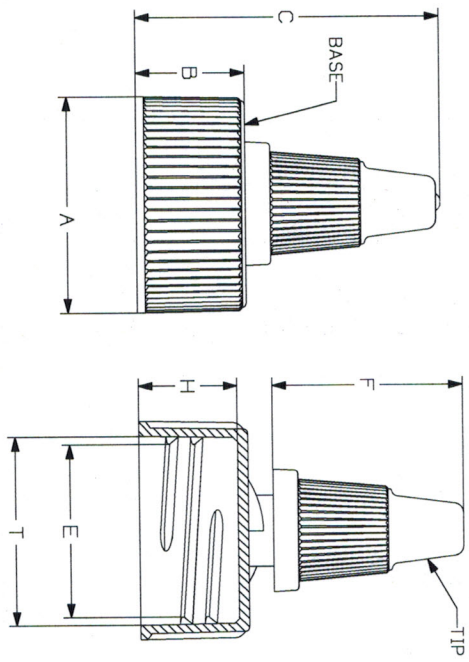


ECN NO.	ZONE	REV.	DESCRIPTION	DATE	ISSUED
		H	UPDATED SALES DRAWING	12/17/13	JPH



ØM (THRU HOLE ON TIP)



SECTIONED BASE FOR CLARITY

DIM	MIN	MAX
A	1.065	1.095
B	.545	.560
C	1.515	1.545
E	.865	.885
F	.945	.968
H	.490	.510
T	.940	.960

SIZE	DIM	MIN	MAX
.115	M	.105	.125
.085	M	.075	.095

- NOTES:
1. MATERIAL: HDPE BASE / LDPE TIP
 2. THREAD (MODIFIED BUTTRESS): BASE (2 TURNS-PITCH 8)
 3. TORQUE SPEC. BASE TO BOTTLE: TIGHTENING FORCE 15 IN-LBS

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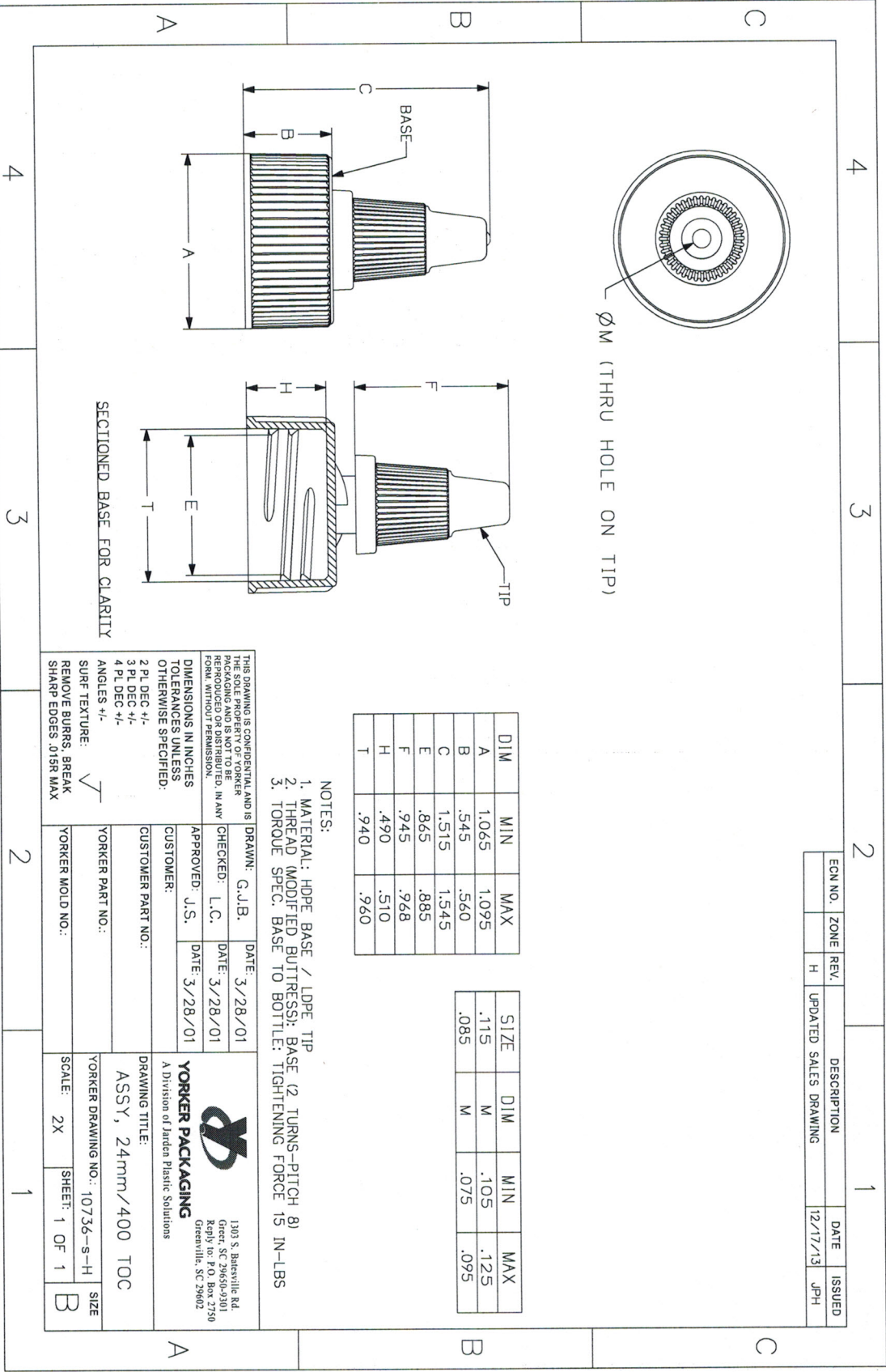
CHECKED: L.C. DATE: 3/28/01
 DRAWN: G.J.B. DATE: 3/28/01
 APPROVED: J.S. DATE: 3/28/01

CUSTOMER: YORKER PART NO.:
 CUSTOMER PART NO.:
 YORKER MOLD NO.:

DRAWING TITLE: ASSY, 24mm/400 TOC
 YORKER DRAWING NO.: 10736-s-H
 SCALE: 2X SHEET: 1 OF 1

1303 S. BREVILLE RD.
 GREEN, SC 29650-9301
 Reply to P.O. Box 2790
 Greenville, SC 29602

YORKER PACKAGING
 A Division of Jarden Plastic Solutions



Marlex® 9005
 High Density Polyethylene
 Chevron Phillips Chemical Company LLC



Prospector

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific • Europe	• North America • South America	
Features	• Durable • Food Contact Acceptable • Good Impact Resistance	• Hexene Comonomer • High ESCR (Stress Crack Resist.) • Low Warpage	• Medium Flow • Recyclable Material
Uses	• Agricultural Applications • Containers	• Food Containers • Industrial Applications	• Seats
Agency Ratings	• ASTM D 4976-PE233	• FDA 21 CFR 177.1520(c) 3.2a	
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.945 g/cm ³	0.945 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.0 g/10 min	6.0 g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance 100% Igepal, Compression Molded, F50	90.0 hr	90.0 hr	ASTM D1693B
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ² (Yield, Compression Molded)	3340 psi	23.0 MPa	ASTM D638
Tensile Elongation ² Break, Compression Molded	1000 %	1000 %	ASTM D638
Flexural Modulus - Tangent ³ (Compression Molded)	155000 psi	1070 MPa	ASTM D790
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness Shore D, Compression Molded	62	62	ASTM D2240
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Brittleness Temperature	< -103 °F	< -75.0 °C	ASTM D746A
Vicat Softening Temperature	250 °F	121 °C	ASTM D1525 ⁴
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating - UL	HB	HB	UL 94
UL File Number	E54700	E54700	

Notes

¹ Typical properties: these are not to be construed as specifications.

² Type IV, 2.0 in/min (51 mm/min)

³ 0.50 in/min (13 mm/min)

⁴ Rate A (50°C/h), Loading 1 (10 N)

Petrothene®

NA 952

Low Density Polyethylene

Film Extrusion Grade

Melt Index 2.0 Density 0.919

Applications

PETROTHENE NA 952 is a series of homopolymer resins especially designed for industrial and consumer packaging, and liner and bag applications. NA 952 has an excellent balance of processability, toughness and drawdown.

Regulatory Status

The NA 952 basic resin meets the requirements of the Food and Drug Administration regulation, 21 CFR 177.1520. This regulation allows the use of this olefin polymer in "...articles or components of articles intended for use in contact with food." Specific limitations or conditions of use may apply. Contact your Equistar sales representative for further information regarding the suitability of specific products for specific applications.

Processing Techniques

Specific recommendations for processing NA 952 can only be made when the processing conditions, equipment and end use are known. For further suggestions, please contact your Equistar sales representative.

Typical Properties*

Property	Value	Units	ASTM Test Method	
Melt Index	2.0	g/10 min	D 1238	
Base Resin Density	0.919	g/cc	D 1505	
Vicat Softening Point	85	°C	D 1525	
Film¹				
Dart Drop Impact Strength, F ₅₀	110	g	D 1709	
Tensile Strength, MD (TD)	3,200 (2,300)	psi	D 882	
Elongation, MD (TD)	200 (500)	%	D 882	
1% Secant Modulus, MD (TD)	26,500 (32,000)	psi	E 111	
Elmendorf Tear Strength, MD (TD)	350 (70)	g	D 1922	
Molding**				
Tensile Strength	1,800	psi	D 638	
Elongation @ Break	650	%	D 638	
Products				
	NA 952-000	NA 952-094	NA 952-126	NA 952-083X01
Slip (ppm)	0	500	500	0
Antiblock (ppm)	0	4,500	10,000	4,000

* These are typical values and not to be construed as specific product limits.

** Data derived from type IV specimen, 75 mil plaque @ 20" min.

¹ Data obtained from film produced in a 3½" (89 mm) blown film line, commercially available 8" (203 mm) die, 350°F (177°C) melt extrusion temperature, 2:1 BUR, 1.25 mil (32 micron) gauge, 0.025 die gap at 150 lb/hr.

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