



ZAO «Alco-Naphtha»

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Polyethylenetererphthalate (PET)

EKÖPET 80

Index name	Units	Specification	Test methods (according technical conditions TY 2226-001-13649021-2011)
Intrinsic viscosity	dl/g	0,80 ± 0,02	IQ-10682 Ph/DCB (50:50) Recalculation Ph/TCeT (60:40)
Melting point	°C	246 ± 2	IQ-10704 (DSC)
Acetaldehyde content	ppm	1,0 Max	IQ-10698
Color number (CIE-LAB) L* b*		82,0 Min - 1 ± 2	IQ-10688
Moisture content	weight %	0,2 Max	IQ-10683
Dust content	ppm	100 Max	IQ-10702
Pellets weight	g/100 pcs	1,6 ± 0,2	IQ-10692

Remark: EKÖPET 80 BB – material is packed in **big-bag**, weight net 1050±5 kg.

Upon agreement with the Buyer EKÖPET 80 to be supplied with other type of packaging to ensure the safety of the quality and quantity of PET resin during transportation and storage.



HEAD OFFICE: :GROUND FLOOR, G&T TOWER #10, BEAUMONT ROAD, CIVIL LINES-10, KARACHI, PAKISTAN 75530.
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GATRONOVA PET

Standard Specifications of Gatronova PET resin A-80 Polyester Bottle Grade Chips

Description	Unit	Test Method	Test Equipment	Novatex Specifications
Intrinsic viscosity (IV)	[dl/g]	PV-07040.5 ^a	Capillary Viscometer	0.80 ± 0.02 ^a
DEG Content	%	PV-09040	Gas Chromatograph	≤ 1.5
Carboxylic End Groups	m.mol/kg	PV-07013.4	Titranoplus	35 max.
Acetaldehyde (AA)	ppm	Cobarr 201/A ¹	Gas Chromatograph	< 1.0
Moisture Content	%	PV-07109.5	MEECO	0.4 Max.
Melting Point (DSC)	[°C]	PV-07089.2	Mettler DSC	247 ± 2
Color No. Hunter Lab	LH	PV-07136.1	BYK Gardener	≥ 83
Color No. Hunter Lab	bH	PV-07136.1	BYK Gardener	0.0 ± 0.95
Number of Chips/gram	No.	Manual	-	61 ± 3
Crystallinity	%	ASTM D 1505	Techne Gradient Column	≥ 50

Specifications as per Zimmer test methods. Details of method can be provided upon request.

¹ As per Sinco method

^a IV is done according to PV-07040.5- Solvent is Phenol/Dicholobenzene using ubbelohde type 1(c) capillary viscometer at 25°C.

≤ read as less than or equal to

≥ read as greater than or equal to

The information and the data contained here is believed to be correct and there are FDA/EEC compliance certifications and other major food grade approvals available and can be provided upon request.

Please direct all you inquiries to:

Gatronova Marketing and Exports Department

GROUND FLOOR, G&T TOWER #10, BEAUMONT ROAD, CIVIL LINES-10, KARACHI, PAKISTAN 75530.

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Technical Data Sheet

Colors and Additives for Plastics

COBALT BLUE

Product # 83843F

Std. Lot # 10027606

Customer: COLORCO, INC.

Resin: PET

Customer ID: LIQ. COBALT BLUE

Address: 1261 W. ELIZABETH AVE.
LINDEN, NJ 07036

Usage %: 0.50

Wt./Gal.: 8.4

Regulatory: FDA

Additives: N/A

Carrier: Ester Type Plasticizer

Specification

Test Method

Parameters

Appearance

Visual

Free-flowing liquid with no or minor separation of phases and free from mechanical impurities.

Color Variance

Instrumental
TM-02-014

Total color difference should not exceed 1.0 CIE Lab Units. (1.5 CIE Lab Units for Fluorescents).

Visual
TM-02-014

No or minor visual color difference**

Density (Wt./Gal.)

TM-02-017*

Variance should not exceed +/- 5% of the standard

Fineness of Pigment Dispersion (Grind)

TM-02-019*

Below 20 µm (6 or higher on Hegman Grind Gauge)

Dynamic Viscosity

TM-02-016*

- 1300-3500 cP (for transparent)
- 1500- 3500 cP (for opaque)
- 1900-6000 cP (for Injecta Products)
- Other

* Riverdale Color's internal standards.

** All comparisons are vs the approved sample of liquid colorant

QR-02-114 Revision: B 04/17/15

1 Walnut Street, Perth Amboy, NJ 08861 Tel: 732-376-9300 Fax: 732-376-9394

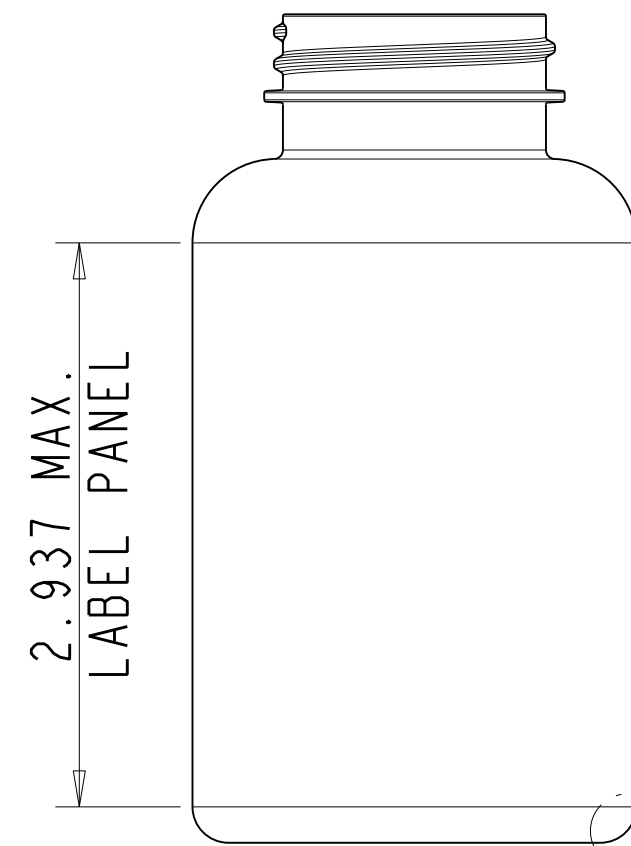
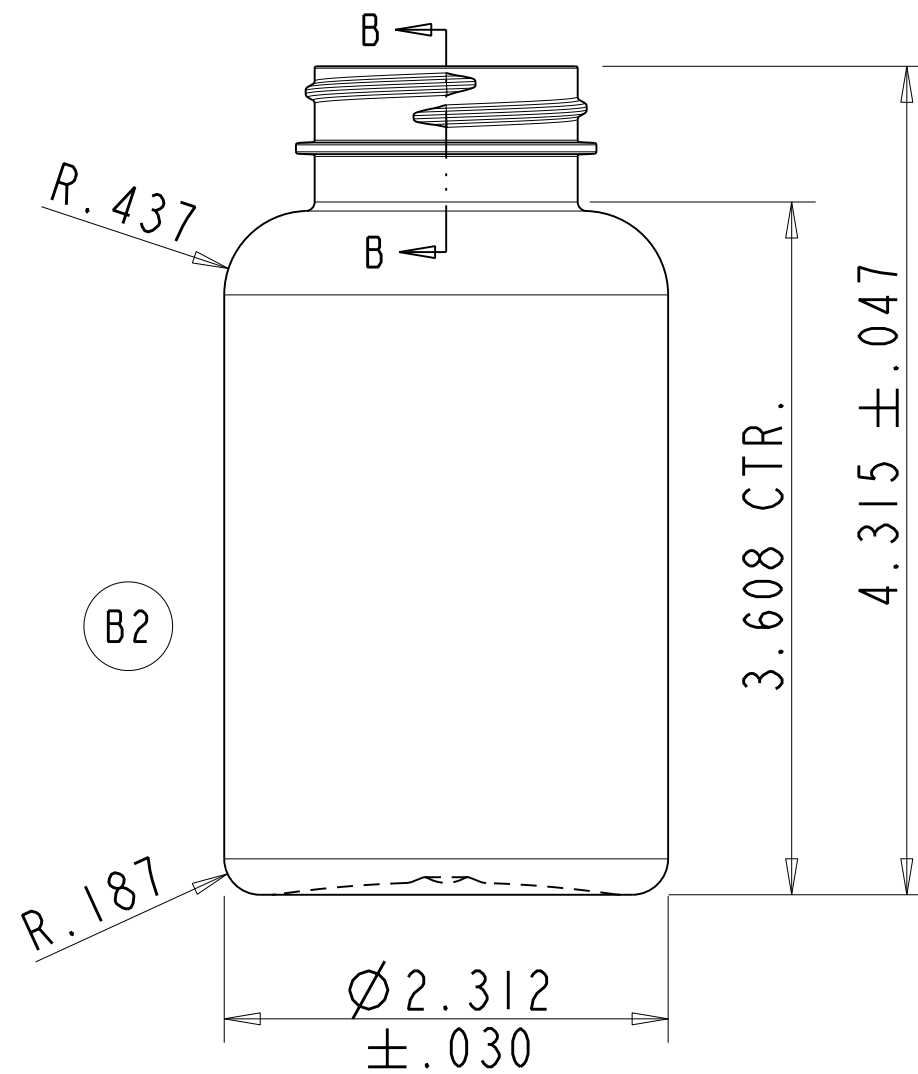
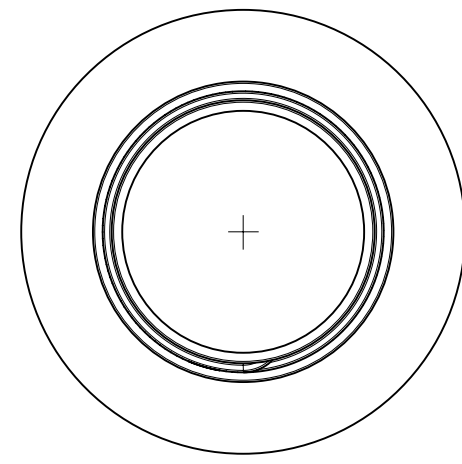
Web site: www.riverdalecolor.com

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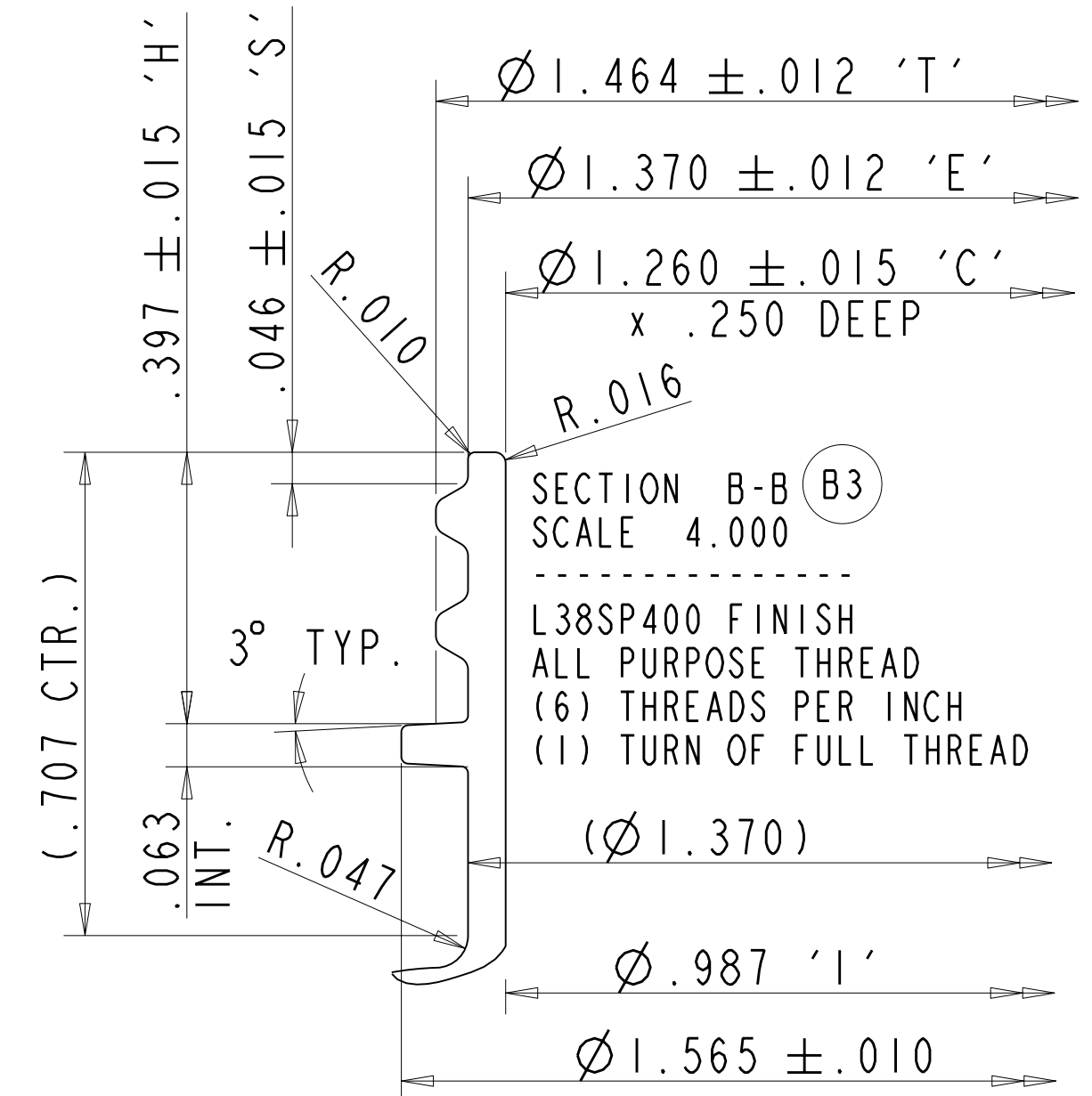
REV	DATE	BY	REVISION
A	082510	RRJ	REVISED TITLE BLOCK & NOTES.
B			B1 REMOVED NOTES 5 & 6 B2 REMOVED DIM'S 3.124 & 1.656 B3 REVISED THREAD DETAIL
C	092515	ES	REDRAWN FROM 3167-0203-B.
D	050917	ES	UPDATED PUSHUP ENGRAVING.
E	081518	ES	ADDED MIN. WALL LOCATION & NOTE 5.



SCALE 0.750

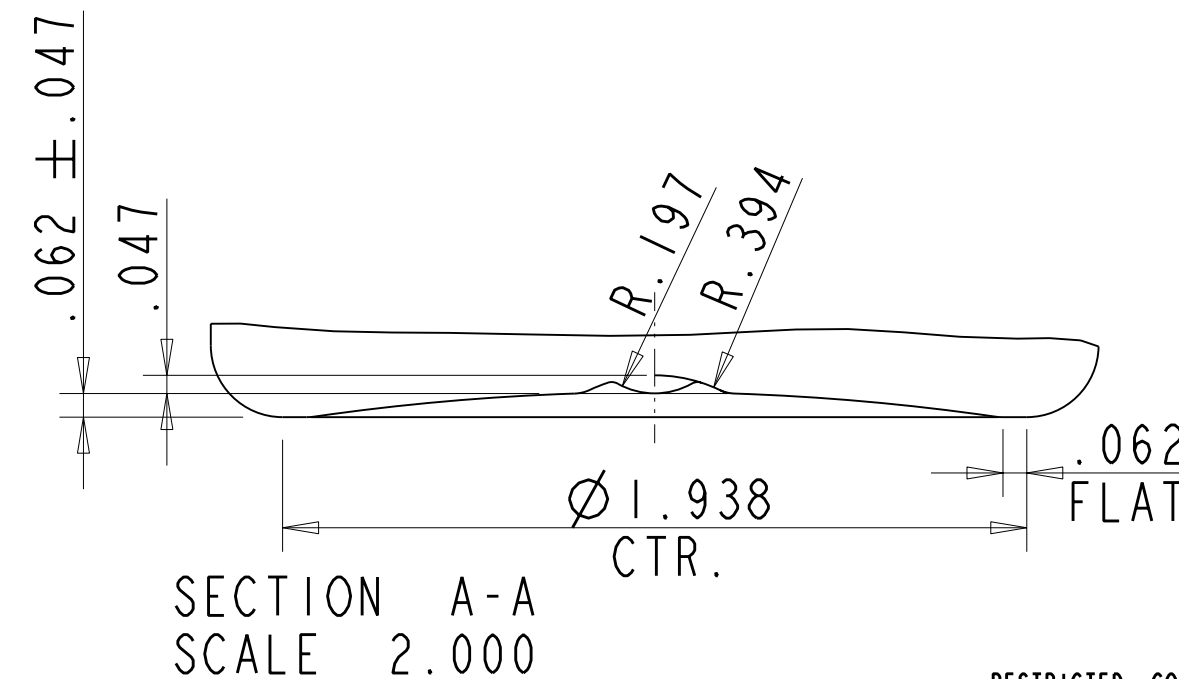
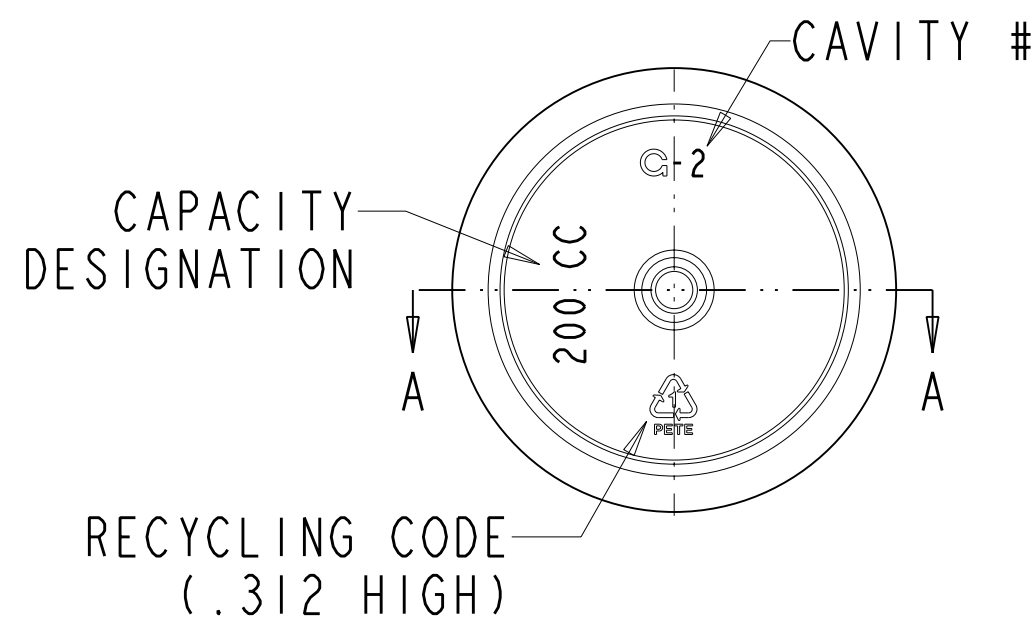


Ø.012" MIN. WALL



SECTION B-B (B3)
SCALE 4.000

L38SP400 FINISH
ALL PURPOSE THREAD
(6) THREADS PER INCH
(1) TURN OF FULL THREAD



SECTION A-A
SCALE 2.000

(B1) NOTES:

- MOLD NO. NB-400114
- MAX. VARIATION IN AVERAGE DIAMETER BETWEEN TOP AND BOTTOM NOT TO EXCEED .010
- ALL DIMENSIONS APPLY AS MOLDED
- MAXIMUM OUT OF ROUNDNESS ON BODY OF CONTAINER NOT TO EXCEED .015.
- .012" MIN. WALL THICKNESS.

RESTRICTED, CONFIDENTIAL DOCUMENT

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200 cc CT ROUND WIDE MOUTH PACKER
L38SP400 FINISH

FILE NAME:
XXXX_200cc-STR-SIDE
(15-078-01-E)

SIZE C DRAWN BY: RRJ DWG NO. 3166-0203-E
SCALE: 1,4:1 DATE: 08-25-2010 SHEET 1 OF 1

28.21 SQUARE INCHES	7.72 SQUARE INCHES	23.0 ±1.0	PET	239.9 ±6.5 cc (8.11 ±.22 fl oz)
SURFACE AREA BELOW BASE OF NECK	AREA AT PART LINE BELOW BASE OF NECK	GRAMS	MAT'L.	OVERFLOW CAPACITY