



CRT LABORATORIES, INC.

1680 North Main Street, Orange, CA 92867

(714) 283-2032 • Fax (714) 283-1365

www.crtlabs.com • e-mail: ctrlabs@ctrlabs.com

ASTM Physical & Mechanical • Chemical-Thermal Analysis • IAPMO Cell Class
Geosynthetic Materials • Plumbing & Faucet Assemblies • Resin & Finished Product Testing



Committed to Quality

ISO-09-23-12-11019



TEST REPORT

PAGE 1 OF 3

FOR: Bird-B-Gone, Inc.
23918 Skyline
Irvine, CA 92692
Tel: (800) 392-6915 / Fax: (949) 387-6915
ATTN: Ms. Angela Tower

LWR NO.: 20322 DATE: April 20, 2017

BACKGROUND:

The client submitted two (2) samples for flammability testing per UL-94-92 (V0, thin material). The samples were received on 03/29/2017 via customer supplied courier. Visual inspection was performed on 03/29/2017 and no product defects were noted. Testing in accordance with customer signed CRT quotation dated 03/30/2017. The following additional information is provided:

CRT order entry log date: 03/30/2017 / Report due date: 04/20/2017

PRODUCT ID:

Two (2) samples of Polyethylene (PE) material for braided netting, identified as;
1) Cube-blended with Black Master-batch Color Concentrate
2) Cube-blended with Red Master-batch Color Concentrate

PREPARATION:

2-Roll milling / Compression molding - ASTM D4703-16 / CRT methods
Set-up, preparation & machining – CRT / ASTM methods
Conditioning (pre-annealing) – UL 94-92, section 6.1, in accordance with ASTM D618-13, 48h in a standard laboratory environment
Annealing – UL 94-92, section 6.2 (7 days @ 70°C)

TEST PROCEDURES: **UL 94-V0 VTM rating (Vertical burn-rate for thin materials)** – Per UL 94-92, section 11 (based on 1/16" thick specimens)

TEST RESULTS:

Based on the results obtained, both samples listed above achieved a final burn rating of UL 94-92 V0 (Thin material). Detailed test results are shown in the attached data tables 1 & 2. In addition, no anomalies were detected during testing.

Specimen retain bin: BB (30-day hold, unless otherwise specified)

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IAPMO R&T  **ISO 9001:2008 Certified – Registered / ISO-IEC 17025:2005 Accredited**

Ken A. Le Jeune
CEO / Laboratory Director

Raúl Gonzalez
Laboratory Technician

The liability of CRT Labs with respect to the work and report covered herein, shall in no event exceed the amount of the invoice. We recommend consideration that correlative data be generated by other laboratories in matters of litigation. CRT will retain tested samples for 30 days after testing is completed, unless other arrangements are agreed upon at the time order is placed. This report, whether in whole or in part, any logo, etc., in advertising or publicity must have CRT's written permission prior to use. This test data is for exclusive use of the client to who it is addressed and results apply only to sample(s) tested and does not apply to similar or identical products. This report shall not be reproduced except in full. Testing performed in accordance with ISO 17025. Form Q.S. 43 (10/05)



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ATTN: Ms. Angela Tower

LWR NO.: 20322 DATE: April 20, 2017

TABLE 1

TESTING: UL 94 VTM rating (Vertical burn-rate for thin materials)

SAMPLE ID: Cube-blended with Black Master-batch Color Concentrate

UL 94 Flammability (48h @ 23°C, annealed per section 6.1)

Specimen	Thickness (mm)	Afterflame (t1,sec)	Afterflame (t2,sec)	Afterglow (t3,sec)	Total Afterflame (t1+t2,sec)	Total Afterflame (t2+t3,sec)	Burn to Clamp?	Cotton Ignited?
1	1.82	0	1	0	1	1	No	No
2	1.80	0	0	0	0	0	No	No
3	1.80	0	1	0	1	1	No	No
4	1.86	0	2	0	2	2	No	No
5	1.85	0	3	0	3	3	No	No
Total		0	7	0	7	7		
Requirements (UL 94VTM-0)		<10 sec	<10 sec		<50 sec	<30 sec	No	No

Complies with UL 94-92 V0 (Thin material) / **PASS**

UL 94 Flammability (168h @ 70°C, annealed per section 6.2)

Specimen	Thickness (mm)	Afterflame (t1,sec)	Afterflame (t2,sec)	Afterglow (t3,sec)	Total Afterflame (t1+t2,sec)	Total Afterflame (t2+t3,sec)	Burn to Clamp?	Cotton Ignited?
1	1.81	0	2	0	2	2	No	No
2	1.80	0	1	0	1	1	No	No
3	1.81	1	1	0	2	1	No	No
4	1.81	0	0	0	0	0	No	No
5	1.80	0	1	0	1	1	No	No
Total		1	5	0	6	5		
Requirements (UL 94VTM-0)		<10 sec	<10 sec		<50 sec	<30 sec	No	No

Complies with UL 94-92 V0 (Thin material) / **PASS**



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LWR NO.: 20322 DATE: April 20, 2017

TABLE 2

TESTING: UL 94 VTM rating (Vertical burn-rate for thin materials)
SAMPLE ID: Cube-blended with Red Master-batch Color Concentrate

UL 94 Flammability (48h @ 23°C, annealed per section 6.1)

Specimen	Thickness (mm)	Afterflame (t1,sec)	Afterflame (t2,sec)	Afterglow (t3,sec)	Total Afterflame (t1+t2,sec)	Total Afterflame (t2+t3,sec)	Burn to Clamp?	Cotton Ignited?
1	1.81	0	1	0	1	1	No	No
2	1.84	1	2	0	3	2	No	No
3	1.81	0	2	0	2	2	No	No
4	1.81	0	1	0	1	1	No	No
5	1.81	0	2	0	2	2	No	No
Total		1	8	0	9	8		
Requirements (UL 94VTM-0)		<10 sec	<10 sec		<50 sec	<30 sec	No	No

Complies with UL 94-92 V0 (Thin material) / PASS

UL 94 Flammability (168h @ 70°C, annealed per section 6.2)

Specimen	Thickness (mm)	Afterflame (t1,sec)	Afterflame (t2,sec)	Afterglow (t3,sec)	Total Afterflame (t1+t2,sec)	Total Afterflame (t2+t3,sec)	Burn to Clamp?	Cotton Ignited?
1	1.74	0	0	0	0	0	No	No
2	1.85	0	2	0	2	2	No	No
3	1.83	1	2	0	3	2	No	No
4	1.82	0	1	0	1	1	No	No
5	1.80	0	1	0	1	1	No	No
Total		1	6	0	7	6		
Requirements (UL 94VTM-0)		<10 sec	<10 sec		<50 sec	<30 sec	No	No

Complies with UL 94-92 V0 (Thin material) / PASS