Bodycote MATERIALS TESTING CANADA INC. www.na.bodycote-mt.com

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California Technical Bulletin 117
Section A Part I, Flame Resistance of Polyurethane Foam

A Report To:

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Submitted By: Fire Testing Services

Report No. 01-02-457
2 Pages

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ACCREDITATION Standards Council of Canada, Registration #1.

REGISTRATION ISO 9002-1994, registered by QMI, Registration #001109.

SPECIFICATIONS OF ORDER

Determine flame resistance in accordance with California Technical Bulletin 117, Section A Part I, as per our quotation accepted July 3, 2001.

IDENTIFICATION

Polyurethane foam identified as Grade 2090 CHRBR.

(Bodycote Ortech sample identification number 01-02-S0457)

SUMMARY OF TEST PROCEDURE

A specimen, 12" x 3" x ½", is held in a wire frame and placed vertically inside a test chamber. The material is subjected to a 1½" high test flame for a period of 12 seconds with the bottom edge of the material hanging 3/4" into the flame. Char length, afterflame time and afterglow time are measured.

Testing is performed on specimens both before and after aging at 104°C for 24 hours.

TEST RESULTS

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Before aging:

	Burn Length (in)	Afterflame Time (s)	Afterglow Time (s)	
1:	4.0	0.0	0.0	
2:	4.2	0.0	0.0	
3:	4.0	0.0	0.0	
4:	4.0	0.0	0.0	
5:	4.2	0.0	0.0	
Average:	4.1	0.0	0.0	
Specified Max:	6.0	5.0	15.0	(Average)
	8.0	10.0	-	(Individual)

TEST RESULTS (Cont..)

After aging @ 104°C for 24 hours

	Burn Length (in)	Afterflame Time (s)	Afterglow Time (s)	
1:	3.5	3.2	0.0	
2:	3.6	0.0	0.0	
3:	4.1	0.0	0.0	
4:	4.0	0.0	0.0	
5:	4.0	0.0	0.0	
Average:	3.8	0.6	0.0	
Specified Max:	6.0	5.0	15.0	(Average)
	8.0	10.0	-	(Individual)

CONCLUSIONS

When tested in the as-received condition and after aging, the polyurethane foam identified in this report meets the requirements of California Technical Bulletin 117, Section A, Part I.

Robert A. Carleton
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