



Acoustical Surfaces, Inc.

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

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Acoustical Surfaces, Inc.
123 Columbia Court North, Chaska, MN 55318

SUBJECT: UL94 Horizontal Flame on three materials. Flexural Modulus and Gardner Impact on two materials.
PO# 209614

RECEIVED: Three sets of Specimens identified as A, B and C. Two sets of four 6"x6" specimens identified as 743 L.C. and I.L.C.

GARDNER IMPACT @ ROOM TEMPERATURE ASTM D5420-04

Sample Preparation: Injection Molded
Mold Type: ASTM Plaque Mold
Test Temperature: 23 ± 2°C
Specimen Dimensions: 2" X 2" X 1/8"
Drop Weight: 8.0 lbs.
Geometry Conditions: GE
Number of Specimens: 20
Failure Type: (d) Ductile

FLEXURAL PROPERTIES OF PLASTICS ASTM D790-02, Procedure A

Crosshead Speed: 0.05 in/min
Support Span: 1.2 inches
Specimen Dimensions: 5.0" x 1/2" x 1/13"

FLAMMABILITY RESISTANCE, UL-94

UL-94 HB Rating
5" long x 0.5" wide specimens exposed to flame for 30 sec.
Median results of three specimens reported
Requirements: 3.0 in/min. max. burn rate for materials less than 0.120 in. thick.

Properties	743 L.C.	I.L.C.
Flexural Modulus, psi	7580	12087
Gardner Impact Strength, in lbs.	124.1	80.1
Flame Properties	A Plain	B cloth
Burn Rate, mm/min	Self Extinguished	C Fail Self Extinguished
Prepared By: <i>Karl Sanderson</i>	Approved By: <i>Scott W. Yates</i>	
Karl Sanderson Project Technician	Scott W. Yates Plastics Testing, Assistant Manager	

ARDL is accredited by A2LA for the test methods listed on the attached scope

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