



NRC stands for Noise Reduction Coefficient. This is standard and a commonly used method to calculate the ratings of the ASTM C423 test on noise reduction foam. This method covers frequencies between 125HZ and 4000HZ. The higher the NRC rating, the more sound material can absorb.

All Noise Studio Control foam is a California 117 flame retardant specification, class B type.

Fire resistant/retardant is a test that calculates "Flame Spread Index", and "Smoke Developed Index". These numbers determine whether the material is "Class A", "Class B", or "Class C". Class A tells that the material will not burn or smoke much, and Class C represents that the material will burn heavily and produces even more smoke. Class B will burn a little more than Class A, and also produce slightly more smoke than in Class A.

Urethane Ether Foam	Open Cell Foam Specs <i>(Foam specification comes from foam manufacture)</i> Charcoal Firm
Color:	Dark Charcoal
ILD (LBS/50sq.in):	67-75
Density (LBS/Cubic Ft.)	1.50-1.70
25% IFD (Pounds)	65-75
Support Factor (65% / 25% Min.)	1.90
Tensile (pis) Min.	10.0
Elongation (%) Min.	100
Tear (PPI) Min.	1.00
Resiliency (%) Min.	25

1" Wedge Foam: Recommended for mid and high frequency ranges, and areas that require decent sound control.

(NRC) Noise Reduction Coefficient	125 HZ	250 HZ	500 HZ	1000 HZ	2000 HZ	4000 HZ	Overall
1" Wedge	0.12	0.24	0.20	0.55	0.95	1.02	0.50

2" Wedge Foam: Recommended for most applications, and most small medium sized rooms. This is very effective against standing waves and flutter echoes.

(NRC) Noise Reduction Coefficient	125 HZ	250 HZ	500 HZ	1000 HZ	2000 HZ	4000 HZ	Overall
2" Wedge	0.14	0.29	0.60	0.89	1.04	1.03	0.71

3" Wedge Foam: Feature maxim surface area for greater exposure to sound waves, recommended for all frequency ranges in any size area.

(NRC) Noise Reduction Coefficient	125 HZ	250 HZ	500 HZ	1000 HZ	2000 HZ	4000 HZ	Overall
3" Wedge	0.25	0.49	0.75	0.99	1.05	1.07	0.80

4" Wedge Foam: Recommended for medium to large area room with pronounced low frequency problems or where sonic accuracy is mandatory & stronger acoustic absorption is required.

(NRC) Noise Reduction Coefficient	125 HZ	250 HZ	500 HZ	1000 HZ	2000 HZ	4000 HZ	Overall
4" Wedge	0.30	0.51	0.99	1.13	1.09	1.12	0.93

Property	Specification	Test Method
Color	Dark Charcoal	Visual
Density	1.80 ± 0.05 PCF	ASTM D3574-03 Test A
25% IFD @ 4"	75 ± 10% lbs/50 in ²	ASTM D3574-03 Test B ₁
65% IFD @ 4"	135 lbs/50 in ² min	ASTM D3574-03 Test B ₁
Support (Sag) Factor	2.0 min	ASTM D3574-03 Test B ₁
Hysteresis	65% min	ASTM D3574-03 Test B ₁
Dynamic Fatigue Loss @ 25 %	35%	ASTM D3574-03 Test I ₃ 80k cycles
Dynamic Fatigue Height Loss	5%	ASTM D3574-03 Test I ₃ 80k cycles
Resiliency (Ball Rebound)	35% min	ASTM D3574-03 Test H
Air Flow	2.0 SCFM min	ASTM D3574-03 Test G
Tensile	20.0 psi min	ASTM D3574-03 Test F
Tear	1.5 pli min	ASTM D3574-03 Test E
Elongation (2.5" gage length)	100% min	ASTM D3574-03 Test E
Compression Set @ 90%	10% max	ASTM D3574-03 Test D
Filler Content	0%	Formula Analysis
*Combustibility	Conforms	California TIB 117 A & D
	Conforms	FMVSS 302
	Conforms	16 CFR 1632 (cigarette test)

*This standard should be solely to measure and describe the properties of materials, products or systems in response to heat and flame under controlled laboratory conditions and should not be considered or used for the description, appraisal or regulation of fire hazard or materials, products or systems under actual fire conditions.

CODE RED II TEST RESULTS

Boston Fire Prevention Code	Passed
California #117	Passed
California #133 (mock-up)	Passed
UL-94HF	Passed
MVSS-302	Passed
UFAC Filling & Barrier	Passed
ASTM E162	Passed, less than 100
BS 5852 (Part 2)	Passed
NFPA 260	Passed

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damages incurred by the use of this material. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of this material is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereafter with respects to the information contained herein or the material to which the information refers. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.

Foam N' More
1177 W Maple Rd
Clawson, MI 48017
P: 248-837-2430