Material Summary Sheet

Acoustical Absorbing Foams

Novisorb® acoustical absorbing foams dissipate sound power levels within enclosures thereby reducing noise levels outside of the enclosures. These tough polyester polyurethane foams with various facings are an integral part to any noise control package. They are available in thickness of ¼" to 2" thick. Novicon offers different facings so our customers can choose ones that optimize acoustical absorption for the frequencies that are dominant in their particular equipment or machinery. Besides the ability to "tune" the absorption capabilities they can also choose based on aesthetics, durability and economics.

- Economical functional sound absorption
- Available with Novistop® acoustical barriers in composite form for even more acoustical performance
- Supplied in sheets, rolls or custom die-cut kits with and without pressure sensitive adhesive
- Custom configurations available by customer request
- Used to reduce noise levels in engine room and engine boxes, machinery housings, cabs, vehicles, equipment, cabinetry and cases

	NF-08	NF-08E	NF-08BU	NF-08BPV	NF-08GPVS	NF-08RM	NF-08WRM
Surface	Plain Foam	Embossed	2 mil Black Urethane	45 mil Black Perforated Vinyl	20 mil Grey Perforated Vinyl	1 mil Reinforced Aluminized Mylar	1 mil Reinforced White Mylar
Thickness	1"	1"	1"	1"	1"	1"	1"
Weight (lb/ft^2)	0.16	0.16	0.17	0.30	0.23	0.17	0.17
Density (lb/ft^3)	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Flammability							
UL94	Meets	Meets	Meets	Meets	Meets	Meets	Meets
MVSS-302	Meets	Meets	Meets	Meets	Meets	Meets	Meets
Thermal Conductivity (BTU in/hr ft F)	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Tear Strength (lbF/in)(Foam Only)	3	3	3	3	3	3	3
Facing	N/A	N/A	*400	*1200	*900	484	484
Elongation (%)							
Foam	200	200	200	200	200	200	200
Absorption Coefficients							
125	.09	.15	.19	.10	.10	.21	.21
250	.14	.45	.98	.28	.28	.52	.52
500	.36	.70	.72	.84	.84	.71	.71
1000	.80	.92	.91	1.00	1.00	.87	.87
2000	.98	.95	.80	.82	.82	.75	.75
4000	.99	.96	.67	.84	.84	.66	.66
Temperature Range Intermittent	-40F-225F 250F	-40F-225F 250F	-40F-225F 250F	-40F-225F 250F	-40F-225F 250F	-40F-225F 250F	-40F-225F 250F

*Estimated

The above data are typical values based on manufacturer or independent tests and are indicative only of the results obtained in those tests. They should not be considered as guaranteed maximums or minimums. Materials must be tested under actual service to determine their suitability for a particular purpose.

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