

Material Summary Sheet

Barrier Composites and Acoustical Carpet Padding



Novistop® acoustical barrier absorber composites and acoustical carpet padding incorporate the high performance sound absorption properties of Novisorb® acoustical foams with the sound barrier properties of Novistop® acoustical barriers. This creates greater sound transmission loss in enclosures and provides highly effective noise control and installation efficiency in a wide range of applications. All composites are available with pressure sensitive adhesive backing for

easy quick installation. Novicon also offers custom die-cut or CNC-cut custom parts or kits for even more cost savings! Easy and economical to install, barrier absorber composites are ideal for lining boat, truck and bus engine compartments, machinery and equipment enclosures, generator covers and engine firewalls. Many of Novistop® composites are available with facings that provide protection from grease, oil and dirt. Below are some of our standard products. Custom composites are available by customer request.

	NFVF-02-10-08BPV	NFVF-02-10-08RM	NCP-02-10-02BU	NCP-02-10BTGV	NCP-02-10
Number of Layers	3	3	3	2	2
Description	Decoupled Barrier Absorber Composite	Decoupled Barrier Absorber Composite	Decoupled Barrier Absorber Composite or Carpet Pad	Carpet Pad with Tough Anti-Wear Layer	Carpet Pad
Surface Facing	Black Perforated Vinyl	Reinforced Silver Mylar	Black Urethane	Black Twist Grain Vinyl	Heavy Vinyl
Barrier Weight	1 lb/ft ²	1 lb/ft ²	1 lb/ft ²	1 lb/ft ²	1 lb/ft ²
Thickness	1.40"	1.37"	.63"	.39"	.38"
Weight Nominal (lb/ft ²)	1.25	1.10	1.05	1.05	1.05
Flammability UL94 MVSS-302	Meets Meets	Meets Meets	Meets Meets	Meets Meets	Meets Meets
Sound Transmission Loss (dB)					
125Hz	16	15	14	14	14
250Hz	17	16	15	15	15
500Hz	21	21	20	19	19
1000Hz	27	26	26	26	26
2000Hz	34	33	32	32	32
4000Hz	39	38	39	39	39
STC	27	26	26	26	26
Temperature Range	-40F - 200F	-40F - 200F	-40F - 200F	-40F - 200F	-40F - 200F
Max Intermittent	220F	220F	220F	220F	220F

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.