

PRODUCT:

AF-021-40-FS-00

REV110117

PRODUCT DESCRIPTION:

1 inch thick polyether foam with flame shield facing

FOAM

Physical Property	Description - Value	Tolerance	Test Standard
Material	Polyether Polyurethane Foam	NA	NA
Color	Charcoal	NA	NA
Density	1.8 lb/cf	+/- 0.18	ASTM D3574
Elongation	140%	minimum	ASTM D3574
Tensile Strength	12.0 psi	minimum	ASTM D3574
Tear Strength	1.00 pli	minimum	ASTM D3574
Compression Set @ 50%, 22 Hours	5% typical		ASTM D3574 Test D
Pores per inch	60-70 typical		
Service Temperature	-40 °F – 250 °F		
Thermal Conductivity	0.27 BTU-in/(Hr-ft ² -°F) typical	0.01	
Flammability	MVSS302, UL-94 HF-1		

FACING

Physical Property	Description - Value	Tolerance
Material	Proprietary fiber blend	
Thickness	0.020 inch	+/- 10%
Color	Black	
Weight	3 oz/sy	+/- 10%
Tensile Strength – MD	113 oz/in	
Tensile Strength – CD	124 oz/in	
Chemical Resistance	Resistant to moisture, UV, and gasoline	
Flammability	Self-Extinguish to FMVSS-302	
Fire resistance	Resists direct flame for > 8 minutes	

AVAILABLE SIZES

Roll	54" X 100'
Sheet	As Specified

ABSORPTION COEFFICIENT AND SAA to ISO 354

Frequency	Sound Absorption Coefficient
100	0.13
125	0.18
160	0.19
200	0.20
250	0.29
315	0.37
400	0.51
500	0.64
630	0.85
800	0.96
1000	1.07
1250	1.12
1600	1.11
2000	1.02
2500	0.94
3150	0.89
4000	0.85
5000	0.72
SAA	0.76

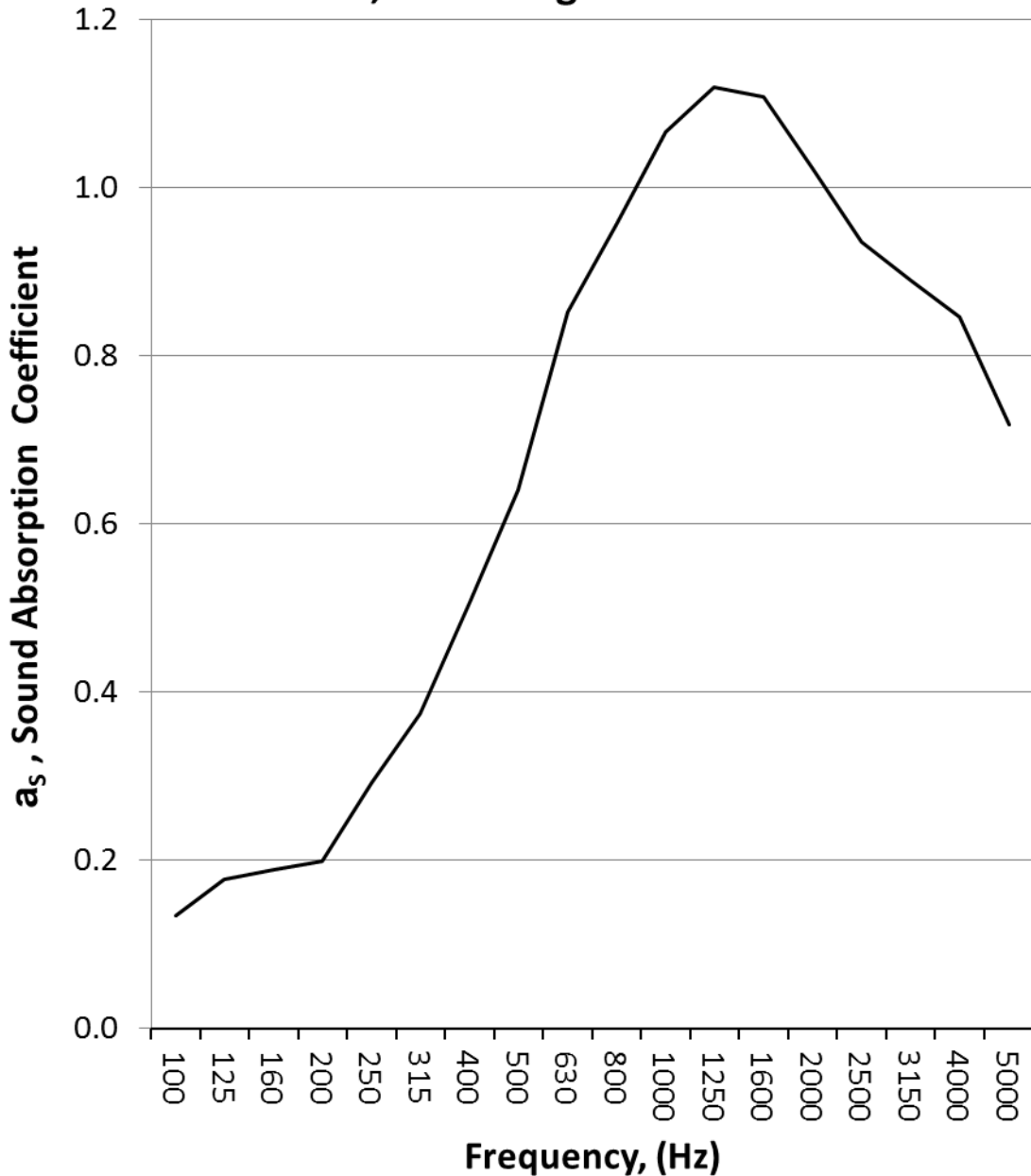
CONFIDENTIAL

ISO 354:2003 - Sound Absorption in Reverb Room

Test ID: 354-051618-1

Product Description: AF-021-40-FS-00

Thickness: 1 inch, Mounting:



ABSORPTION COEFFICIENT AND SAA to ASTM E1050

Frequency	Sound Absorption Coefficient
100	0.04
125	0.05
160	0.06
200	0.07
250	0.09
315	0.14
400	0.21
500	0.30
630	0.37
800	0.51
1000	0.67
1250	0.79
1600	0.91
2000	0.99
2500	0.93
3150	0.80
4000	0.69
5000	0.74
SAA	0.50

CONFIDENTIAL

ASTM E1050
Normal Incidence Absorption
AF-021-40-FS-00

