

E-Series

Hybrid Ester Foams

Flexible Foam's E-Series is a hybrid ester formulation that blends the benefits of ester, ether, and renewable polyols into a new foam product. This foam will not only meet or exceed the specifications of ester or ether products previously offered, but it is a big step in the "green" direction with a significant amount of renewable content.

Applications

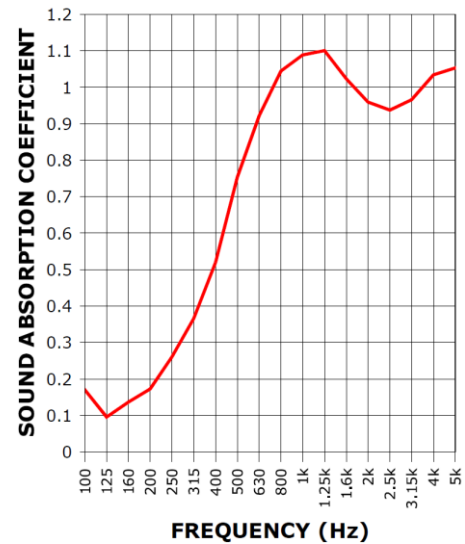
Appliance	Sound Absorption
Automotive	Marine Sports
Agriculture	Lawn Equipment
Motor Sport	Medical Equipment

**Anywhere a UL 94 product is required

Benefits of E-20 versus 2# Ester:

- E-20 has superior air flow and recovery properties
- E-20 performs better in wet or damp conditions
- E-20 has double the sound deadening properties
- Bun heights are 50% higher for better production yields
- E-20 has more flexible widths to optimize yield and meet unique specifications

SOUND ABSORPTION REPORT
RAL - A09-227



SAA = 0.76
NRC = 0.75

Specifications for E-20:

Color	Dark Grey	50% comp set	10% max loss
Density (lbs/cubic ft)	1.90-2.10	Tensile (psi)	min 15.0
25% IFD (lbs)	40 lbs min	Elongation (%)	min 150
25% CFD (psi)	.04 psi min	Tear (ppi)	min 1.40

Flammability:

UL 94 HF1, 2	PASS
MVSS 302	PASS
CAL 117	PASS

Acoustical Properties:

<u>125Hz</u>	<u>250Hz</u>	<u>500Hz</u>
.06/.10	.16/.26	.39/.75
<u>1000Hz</u>	<u>2000Hz</u>	<u>4000Hz</u>
.70/1.09	.90/.96	.96/1.03

Specifications for E-16:

Color	Dark Grey		
Density (lbs/cubic ft)	1.5-1.7	Elongation (%)	min 200
25% IFD (lbs)	41-49 lbs min	Tear (ppi)	min 1.40
Tensile (psi)	min 14.0	Air Flow	max 1.3

Flammability:	UL 94 HF1, 2	PASS
	MVSS 302	PASS

