

TECHNICAL DATASHEET

45 PPI PVC Coated Reticulated Foam (UL94 HF-1)

PRODUCT DESCRIPTION

Compressible polyether polyurethane foam with nominal 45 PPI. Weeps moisture while minimizing the infiltration of drafts, water, dust, insects, etc. into a building or a cavity (NEMA enclosure, generator/compressor housing, etc.)

TYPICAL APPLICATIONS

- Loudspeaker covers and air conditioner filters.
- General filtering applications. Weep baffling in commercial and residential construction, automotive, aircraft, HVAC, appliance and electronics
- Weeps moisture and condensation while minimizing infiltration of air, moisture, insects, dust, etc.
- PVC coating is widely specified by architects for its durability and longevity
- Best for exposure to harsh climate conditions such as driving rain, dust storms, hail storms, etc.

PRODUCT FEATURES & BENEFITS

- PVC coated reticulated foam is UV resistant and is available in black
- UL94 HF-1 rated
- Flexible foam coated with an aqueous dispersion of a PVC copolymer

TECHNICAL DATA	VALUE	TEST METHOD / STANDARD
THICKNESS	1/4", 3/8", 5/8", 1/2", 3/4", 7/8", 1"	
MATERIAL/SUBSTRATE	Polyether Polyurethane Foam	
COLOR	Black	
CELL STRUCTURE	Open Cell	
CELL COUNT	45 ppi ±5	CREST
VOLUMETRIC AIR FLOW RATE	12.5 cfm ±2	ASTM D3574-91
DENSITY	1.4 lb/ft ³ ±0.10	ASTM D3574-91
COMPRESSION SET @ 50% DEFLECTION	25% loss maximum	ASTM D3574-91
COMPRESSION FORCE DEFLECTION @ 25%	0.65 psi ±0.10	ASTM D3574-91
TENSILE STRENGTH	22 lb/in minimum	ASTM D3574-91
TENSILE STRENGTH DRY HEAT LOSS	20% maximum	ASTM D3574-91
COMPRESSION SET @ 50% DEFLECTION AUTOCLAVE LOSS	25% maximum	ASTM 3574-91
25% COMPRESSION LOAD DEFLECTION AUTOCLAVE LOSS	15% maximum	ASTM D3574-91
ELONGATION @ BREAK	200% minimum	ASTM D3574-91
TEAR STRENGTH	4.5 lb/in minimum	ASTM D3574-91
AIR PRESSURE DROP	0.15 ±0.05	ASTM D3574-91
FOAM GRADE	S-45	CREST
UV RESISTANCE, 252 HOURS	Excellent	ASTM G154
UL94 HF-1	Rated	

NOTE: Crest visual PPI standard is the industry accepted nomenclature for defining reticulated foam pore size. However, the air flow is the only quantifiable value for determining of PPI for published specifications. The only exception allowed is if visual PPI is agreed as a standard in advance prior to order submission.

Specifications are believed to be accurate at the time of publication and are subject to change without notice. It is the responsibility of the end-user to test and determine suitability of this material for a particular application. **REV. 0**