

TECHNICAL DATASHEET: 30 PPI Acrylic Coated Reticulated Foam

PRODUCT DESCRIPTION

Compressible polyether polyurethane foam with nominal 30 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

- Air conditioner filters
- General filtering applications. Weep baffling in commercial and residential construction. Weeps moisture and condensation from the building while minimizing infiltration of air, moisture, insects, dust, etc.
- Acrylic coating has been developed as an economical alternative to PVC coating when foam is not exposed directly to harsh climate conditions such as driving rain, dust storms, hail storms, etc.

PRODUCT FEATURES & BENEFITS

- Acrylic coated reticulated foams are UV resistant and are available in black
- Flame retardant available by special request.

TECHNICAL DATA	VALUE	TEST METHOD / STANDARD
THICKNESS	1/4", 3/8", 5/8", 1/2", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2", 1-3/4", 2"	
MATERIAL/SUBSTRATE	Polyether Polyurethane Foam	
COLOR	Black	
CELL STRUCTURE	Open Cell	
CELL COUNT	30 ppi ±5	CREST
VOLUMETRIC AIR FLOW RATE	18 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%	0.55 psi ±0.10	ASTM D3574-91
TENSILE STRENGTH	20 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	180% minimum	ASTM D3574-91
TEAR STRENGTH	5 lb/in minimum	ASTM D3574-91
AIR PRESSURE DROP	0.15 ±0.05	ASTM D3574-91
FOAM GRADE	T-30	CREST
UV RESISTANCE, 252 HOURS	Excellent	ASTM G154

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**