

TECHNICAL DATASHEET: 1.9# EPE Foam

PRODUCT DESCRIPTION

Expanded polyethylene foam is a very lightweight, economical foam used in many packaging, cushioning and construction applications as a moisture barrier.

TYPICAL APPLICATIONS

- Packaging
- Shipping pads
- Flooring underlayment
- Protective foam tape

PRODUCT FEATURES & BENEFITS

- Most economical closed cell foam
- Laminated foam provides maximum cushioning and excellent dimensional stability

TECHNICAL DATA	VALUE	TEST METHOD / STANDARD
THICKNESS	1/4", 1/2", 3/4", 1"	
COLOR	Black	
MATERIAL/SUBSTRATE	Expanded Polyethylene Foam	
COMPRESSION DEFLECTION @ 25%	13 psi	ASTM D3575
COMPRESSION DEFLECTION @ 50%	22 psi	ASTM D3575
COMPRESSION DEFLECTION @ 75%	56 psi	ASTM D3575
COMPRESSION SET @ 25%	4%	ASTM D3575
COMPRESSION SET @ 50%	12%	ASTM D3575
DENSITY	1.9 lb/ft ³	ASTM D3575
CHEMICAL RESISTANCE	Pass	
WATER ABSORPTION	-1%	ASTM D3575
COMPRESSION CREEP (1,000 HR @ 1 PSI)	3.3	ASTM D3575
THERMAL CONDUCTIVITY	.24 btu/(ft ² -hr-F°)	ASTM C177
THERMAL RESISTANCE @ 70° F	4.2	ASTM C177
FLAMMABILITY	Pass	
FMVSS-302	Pass	
FUEL IMMERSION	Pass	CGD-770145 - FUEL B
TEAR STRENGTH	17 lbs/in	ASTM D3575
SERVICE TEMPERATURE	160°F	ASTM D3575
TENSILE STRENGTH	52 psi	ASTM D3575
TENSILE ELONGATION	29%	ASTM D3575
BUOYANCY	59.5 pcf	ASTM D3575

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**