ZTY INDUSTRIAL SOLUTIONS
BUILT AROUND YOUR PRODUCT

Typical properties sheet

Nominal Thickness	Expanded Polyethlyene (EPE)	Test Method
Sample Name	ZTY-EPE-20	
Density	1.1–1.4 (lbs/ft3)	ASTM D3575
Plank Size	24"x48" 48"x72" 48"x96"	ASTM D3575
Thickeness	0.2" – 4.0"	
Color	White,Black,Gray	
Vertical Direction (psi)	8.8/16.6	Suffix D @ 25% / 50%
Compression Set (%)	7	ASTM D3575 Suffix B
Tensile Stress (psi) (@ Each Thickness)	15	ASTM D3575-00 Suffix T MD / TD
Elongation (%)	125	ASTM D3575-00 Suffix T MD / TD
Tear Resistance (lbf/in) (@ Each Thickness)	1	ASTM D3575 Suffix G MD / TD
Water Absorbtion (lb/ft²)	2.05×10^{-5}	ASTM D3575 Suffix L
Thermal Stability MD/TD (%) ** Except Thickness Direction	1	ASTM D3575 Suffix S 158°F for 24 hours
Thermal Resistance R-Value (Hr-FT²-°F/BTU)	5 layers 1,30	ASTM C518
Thermal Conductivity K-Value (BTU/HR/inch-FT/°F)	3.41×10^{-4}	ASTM C518
Flexibility +71F - 65F	Pass	PPP-C-1752 D
Contact Corrosivity (Alum Plate)	None	Method 3005 FED STD 101

The technical information provided herein is based on laboratory testing and data believed to be reliable. Testing was conducted by SGS under controlled conditions and physical properties were evaluated in accordance with applicable ASTM-D3575 methods. Actual performance may vary depending on application methods, operating conditions, and end-use requirements. Customers are responsible for evaluating product suitability for their specific applications.

Users should independently verify product compatibility with their intended use.

Expanded polyethylene foam should be kept away from open flames and high-temperature sources. Follow appropriate industrial handling and storage practices.