

| Nominal Thickness                      | Expanded Polyethylene (EPE)    | Test Method             |
|--|--------------------------------|-------------------------|
| Sample Name                            | ZTY-EPE-18                     |                         |
| Density                                | 1.0–1.2 (lbs/ft <sup>3</sup> ) | ASTM D3575              |
| Plank Size                             | 24"x48"<br>48"x72"<br>48"x96"  | ASTM D3575              |
| Thickness                              | 0.2" – 4.0"                    |                         |
| Color                                  | White,Black,Gray               |                         |
| Vertical Direction (psi)               | 7.0/14.0                       | Suffix D @ 25% / 50%    |
| Compression Set (%)                    | 8                              | ASTM D3575 Suffix B     |
| Tensile Stress (psi)                   | 12                             | ASTM D3575-00           |
| (@ Each Thickness)                     |                                | Suffix T MD / TD        |
| Elongation (%)                         | 125                            | ASTM D3575-00           |
|  |                                | Suffix T MD / TD        |
| Tear Resistance (lbf/in)               | 0,8                            | ASTM D3575              |
| (@ Each Thickness)                     |                                | Suffix G MD / TD        |
| Water Absorbtion (lb/ft <sup>2</sup> ) | $2.05 \times 10^{-5}$          | ASTM D3575 Suffix L     |
| Thermal Stability MD/TD (%)            | 1,2                            | ASTM D3575 Suffix S     |
| ** Except Thickness Direction          |                                | 158°F for 24 hours      |
| Thermal Resistance R-Value             | 8 layers                       | ASTM C518               |
| (Hr-FT <sup>2</sup> -°F/BTU)           | 2,00                           |                         |
| Thermal Conductivity K-Value           | $3.41 \times 10^{-4}$          | ASTM C518               |
| (BTU/HR/inch-FT/°F)                    |                                |                         |
| 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.