

# XOLEFIN® Engineered Foams

## ZXET Technical Data

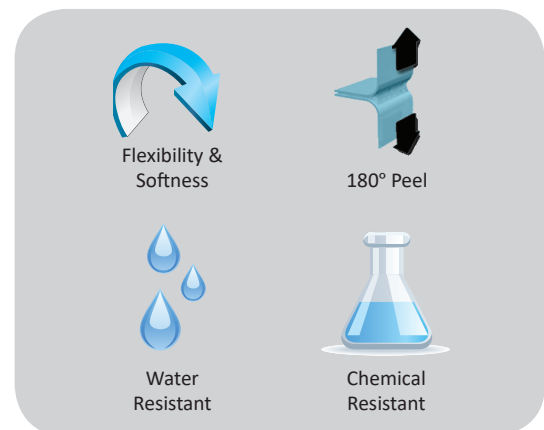
### Product Description

Xolefin, ZXET is an irradiation crosslinked, closed-cell, Polyolefin Alloy foam. The ZXET products exhibit a fine uniform cell structure and excellent mechanical properties. The ZXET products are Stearate free, making them adhesive-friendly and offering superior adhesive anchorage. Xolefin, ZXET foams are ideal tape substrates for the most demanding tape applications.

### Product Characteristics

- Increased flexibility
- Conformability to irregular surfaces
- Excellent chemical and water resistance
- Strong adhesive anchorage

ZXET can be laminated for greater thickness or to other substrates, as well as die cut, printed, or adhesive coated.



### Product Form

- Produced in both roll and sheet form
- Standard width 60"
- Standard Density and Thickness

#### Density Thickness

|        |                |
|--------|----------------|
| 3 pcf  | .063" to .188" |
| 5 pcf  | .024" to .125" |
| 12 pcf | .020" to .100" |



**Technical Data Sheet**

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| <b>Standard Test</b>        | <b>ASTM D-3575</b> | <b>units</b>      | <b>3 ZXET</b> | <b>5 ZXET</b> | <b>12 ZXET</b> |     |
|-----------------------------|--------------------|-------------------|---------------|---------------|----------------|-----|
| Density                     | Suffix W           | pcf               | 3             | 5             | 12             |     |
|                             |                    | kg/m <sup>3</sup> | 64            | 96            | 192            |     |
| Thickness range             |                    | in.               | .040–.188     | .024–.125     | .020–.100      |     |
|                             |                    | mm                | 1.0–4.8       | 0.6–3.2       | 0.5–2.5        |     |
| Tensile strength–lengthwise | Suffix T           | psi               | 90            | 190           | 450            |     |
|                             |                    | kPa               | 620           | 1310          | 3100           |     |
| Tensile strength–crosswise  |                    | psi               | 68            | 140           | 350            |     |
|                             |                    | kPa               | 468           | 965           | 2415           |     |
| Elongation–lengthwise       | Suffix T           | %                 | 331           | 340           | 390            |     |
| Elongation–crosswise        |                    | %                 | 302           | 300           | 360            |     |
| Compression resistance      | Suffix D           | 25%               | psi           | 6             | 8              | 24  |
|                             |                    |                   | kPa           | 41            | 55.2           | 165 |
|                             |                    | 50%               | psi           | 15            | 19             | 51  |
|                             |                    |                   | kPa           | 103           | 131            | 350 |
| Compression Set             | Suffix B           | %                 | <20           | <10           | <10            |     |
| Tear resistance–lengthwise  | Suffix G           | pli               | 16            | 32            | 66             |     |
|                             |                    | kN/m              | 2.8           | 5.8           | 11.6           |     |
| Tear resistance–crosswise   |                    | pli               | 14            | 21            | 53             |     |
|                             |                    | kN/m              | 2.4           | 3.7           | 9.3            |     |
| Temperature Range           |                    | Degrees F         | -110°–180°    | -110°–180°    | -110°–180°     |     |

NOTE: Physical properties listed are nominal. Specific ranges and tolerances for any individual application are available upon written request. Because we cannot anticipate or control the many different conditions under which this information and our products may be used, we do not guarantee the applicability or the accuracy of this information or the suitability of our products in any given situation. Users of our products should make their own tests to determine the suitability of each such product for their particular purpose. The products discussed are sold without warranty either expressed or implied, and the buyer assumes all the responsibility for loss or damage arising from the handling and use of our products, whether done in accordance with directions or not. Statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent.

