

# XOLEFIN® Engineered Foams

## ZEVA Technical Data

### Product Description

Xolefin® ZEVA is an irradiation crosslinked, closed-cell ZEVA foam. The ZEVA products exhibit fine cell structure, excellent mechanical properties at low densities, and have passed rigorous ISO 10993 and 10993-1 standards for medical foam. Xolefin® ZEVA can be produced in a wide variety of colors. Standard colors are white, black, charcoal and blue.

### Product Characteristics

- Approved for direct and indirect skin contact
- Increased flexibility
- Conformability to irregular surfaces
- Excellent chemical and water resistance
- Strong adhesive anchorage

ZEVA 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

4 pcf	.040" to .188"
6 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>4 ZEVA</b>	<b>6 ZEVA</b>	<b>12 ZEVA</b>	
Density	Suffix W	pcf	4	6	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	125	230	450	
		kPa	860	1590	3100	
Tensile strength–crosswise		psi	100	140	350	
		kPa	690	965	2415	
Elongation–lengthwise	Suffix T	%	335	250	390	
Elongation–crosswise		%	360	290	360	
Compression resistance	Suffix D	25%	psi	7	8	24
			kPa	48	55.2	165
		50%	psi	17.2	19	51
			kPa	118	131	350
Compression Set	Suffix B	%	<15	<10	<10	
Tear resistance–lengthwise	Suffix G	pli	21	32	66	
		kN/m	3.7	5.8	11.6	
Tear resistance–crosswise		pli	22	21	53	
		kN/m	3.9	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.

