



**XI-40**  
Irradiated Crosslinked Polyethylene

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This data sheet property values are typical of the material and are intended to provide guidance to customers; they do not constitute a specification and should not be sued for specification development.

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PHYSICAL PROPERTIES		TEST METHOD	VALUES	USA UNITS	VALUES	METRIC UNITS
Density - Nominal		ASTM D3575	4	lb/ft <sup>3</sup>	64	kg/m <sup>3</sup>
Tensile Strength (Machine Direction)		ASTM D3575	135	psi	930	kPa
Tear Strength (Machine Direction)		ASTM D3575	14	lb/in	253	kg/m
Elongation (Machine Direction)		ASTM D3575	176	%	176	%
Firmness (Machine Direction)		ASTM D2240	44	Asker C	44	Asker C
Compressive Stress						
Compression Set	50% 24hr	ASTM D3575 Suffix B	16	%	16	%
Compression Strength	25%	ASTM D3575 Suffix D	8	psi	55	kPa
	50%		21		145	
Working Temperature Range		Internal Test	-110 to 215	°F	-79 to 101.6	°C
Water Absorption 7 Days		ASTM-D1667	.05	Lbs./sq.ft		
Flammability		MVSS302	Pass at 0.125	Pass / Fail	3.48" / min	Burn Rate

For roll size and color availability, please see the color and sizing chart, or contact us at [info@worldwidefoam.com](mailto:info@worldwidefoam.com) or visit [www.worldwidefoam.com](http://www.worldwidefoam.com)

\*Testing done according to ASTM D3575 & ASTM C177 (thermal conductivity) standards.

Test methods available upon request. All data is typical and not to be considered specification values. *Worldwide Foam, Ltd.*, cannot predict or control the different conditions under which this information and our products may be applied. Therefore, we do not guarantee the applicability or the suitability of our foams nor the accuracy of this information. There is no warranty either expressed or implied on our products. Buyer assumes all responsibility for loss or damage arising from the use of our products, whether done in accordance with direction 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. Users of our products should perform testing to determine their efficiency and suitability prior to use.