



Fuzion 1.8 lb/ft³ STD

29 kg/m³

Effective Date: 6/24/2016

PHYSICAL PROPERTIES		TEST METHOD	IMPERIAL UNITS	VALUES	METRIC UNITS	VALUES
Density - Nominal		ASTM D3575 - Suffix W	lb/ft ³	1.8	kg/m ³	29
Tensile Strength	MD	ASTM D3575 - Suffix T	PSI	43.8	kPa	302
Tensile Strength	TD	ASTM D3575 - Suffix G		38.0		262
Tear strength	MD	ASTMD3575 - Suffix T	lbf/in	11.4	N/mm	2.00
Tear strength	TD	ASTM D3575 - Suffix G		11.9		2.08
Elongation at Break	MD	ASTM D3575 - Suffix T	%	153	%	153
Elongation at Break	TD	ASTM D3575 - Suffix T		164		164
Shore Hardness		ASTM D2440	00	51	00	51
Compression Deflection	25%	ASTM D3575 - Suffix D	PSI	5.6	kPa	39
	50%		PSI	14.0		97
Compression Set	50%, 24 hrs	ASTM D3575 - Suffix B	%	26	%	26
Working Temperature Range			°F	-76 / 194	°C	-60 / 90
Water Absorption, 7 days		DIN 53428	% Vol (max)	1	% Vol (max)	1
Thermal Conductivity, 70°F (23.9°C)		ASTM C177	BTU-in/hr-ft ² -°F	0.273	W/m-K	0.0393
Flammability, > 1/4"		FMVSS302	4"/min	PASS	100 mm/min	PASS
Thermal Stability, 24 hrs at 158°F (70°C)		ASTM D3575 - Suffix S	%	< 2	%	< 2

Fuzion is a closed cell chemically crosslinked polyethylene foam in roll form.
SDS sheets available upon request.

Data represents typical values and should be considered as a guideline only.
Imperial data is converted from the metric results measured by testing according to ASTM standards.
The information above on FUZION chemically crosslinked polyethylene foam is presented to the best of our knowledge.

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