



Fuzion 1.8 lb/ft³ STD

29 kg/m³

Effective Date: 1/7/2014

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	39.5	kPa	272
Tensile Strength	TD	ASTM D3575 - Suffix G		35.1		242
Tear strength	MD	ASTMD3575 - Suffix T	lbf/in	11.1	N/mm	1.94
Tear strength	TD	ASTM D3575 - Suffix G		11.4		2.00
Elongation at Break	MD	ASTM D3575 - Suffix T	%	155	%	155
Elongation at Break	TD	ASTM D3575 - Suffix T		165		165
Shore Hardness		ASTM D2440	00	51	00	51
Compression Deflection	25%	ASTM D3575 - Suffix D	PSI	5.4	kPa	37
	50%		PSI	13.6		94
Compression Set	25%, ½ hr	ASTM D3575 - Suffix B	%	14	%	14
	25%, 24 hrs			8		8
	50%, ½ hr			35		35
	50%, 24 hrs			26		26
Working Temperature Range		Internal	°F	-76 / 194	°C	-60 / 90
Water Absorption, 7 days		Internal	% Vol (max)	1	% Vol (max)	1
Thermal Conductivity, 50°F (10°C)		ASTM C177	BTU·in/hr·ft ² ·°F	0.271	W/m·K	0.0390
Thermal Conductivity, 104°F (40°C)		ASTM C177	BTU·in/hr·ft ² ·°F	0.303	W/m·K	0.0436
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.
MSDS 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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