



Fuzion™

10 pcf 160 kg/m³

F 10.0

Effective Date: 6/1/10

PHYSICAL PROPERTIES		TEST METHOD	IMPERIAL UNITS	VALUES	METRIC UNITS	VALUES
Density - Nominal		ISO 845	lb/ft³	10	Kg/m³	160
Tensile Strength	MD	ISO 1798	PSI	224.6	kPa	1549
Tensile Strength	TD			181.9		1254
Elongation at Break	MD		%	157	%	157
Elongation at Break	TD			159		159
Compression Deflection	25%	ISO 844	PSI	52.8	kPa	364
	50%		PSI	90.8		626
Compression Set	25% ½hr	ISO 1856	% (max)		% (max)	
	25% 24hr					
	50% ½hr					
	50% 24hr					
Working Temperature Range		Internal	°F	-76 / 194	°C	-60 / 90
Water Absorption 7 days		Internal	% Vol (max)	1	% Vol (max)	1
Thermal Conductivity at 50°F (10°C)		ASTM C177	Btu-in/hr/ft²/°F		W/mK	
Thermal Conductivity at 104°F (40°C)		ASTM C177	Btu-in/hr/ft²/°F		W/mK	
Flammability		FMVSS302	4"/min	PASS	100mm/min	PASS
Thermal Stability 24 HRS @ 158°F (70°C)		ISO 2796	%	2	%	2

PRODUCTION STANDARD SIZES					
Thickness (inches)	Length (ft)	Width (inches)	Bdft/ Roll	Thickness Tolerance	Linear Tolerance
1/8	600	60	375	+ / - 1/50"	+ / - 1.5%
3/16	400	60	375	+ / - 1/50"	+ / - 1.5%
1/4	300	60	375	+ / - 1/50"	+ / - 1.5%
5/16	240	60	375	+ / - 1/50"	+ / - 1.5%
3/8	200	60	375	+ / - 1/50"	+ / - 1.5%
1/2	150	60	375	+ / - 1/25"	+ / - 1.5%
5/8	120	60	375	+ / - 1/25"	+ / - 1.5%

* 1/8 Material is produced with skin one side and skived one side

ADDITIONAL ASPECTS
FUZION is a closed cell chemically crosslinked polyethylene foam in continuous roll form.
Available in Rolls & Sheets.
Maximum width of 72 inches (trimmed)
Maximum laminated height up to 2 inches.
Tolerances other than the above may be negotiated
MSDS sheets available upon request
Standard Colors: Gray, Black, Natural
MD - machine direction - along the extruder's axis
TD - transverse direction - Perpendicular to the extruder's axis.

Data represents typical values measured on 0.4" thick specimen and should be considered as a guideline only.

Imperial data is converted from the metric results measured by testing according to ISO standards.

The information above on FUZION chemically crosslinked polyethylene foam is presented to the best of our knowledge.



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