

FOAM PHYSICAL PROPERTIES (ASTM STANDARDS)	EXPANDED POLYETHYLENE FOAM						
PROPERTY	TEST METHOD	UNITS					
DENSITY		PCF	1.0	1.3	1.5	2.0	2.8
COMPRESSION STRENGTH 25% STRAIN	ASTM-D3575	PSI	8	10	11	13	22
COMPRESSION STRENGTH 50% STRAIN	ASTM-D3575	PSI	16	18	19	22	35
COMP. SET @ 25%	ASTM-D3575	%	3	3	4	4	4
COMP. SET @ 50%	ASTM-D3575	%	12	14	13	12	12
COMP. SET @ 75%	ASTM-D3575	%	38	44	49	56	75
TENSILE STRENGTH AT BREAK	ASTM-D3575	%	39	40	45	52	70
TENSILE ELONGATION AT BREAK	ASTM-D3575	LBS/IN	38	32	30	29	25
TEAR STRENGTH	ASTM-D3575	%	12	14	16	17	21
COMP. SET @ 25%	ASTM-D3575	%	3	3	4	4	4
COMP. SET @ 25%	ASTM-D3575	%	12	14	13	12	12
WATER ABSORPTION (VOLUME	ASTM-D3575	%	<1%	<1%	<1%	<1%	<1%
THERMAL CONDUCTIVITY	ASTMC177	(K)BTU	26	26	24	24	24
THERMAL RESISTIVITY (R) PER INCH	ASTM178	R@70F	3.9	4	4.2	4.2	4.2
MAX. SERVICE TEMPERATURE	ASTM-D3575	F	160	160	160	160	160
BUOYANCY	ASTM-D3575	PCF	61.2	60.6	59.5	59.5	59.1