

FOAM PHYSICAL PROPERTIES (ASTM STANDARDS)	EXPANDED CO-POLYMER FOAM							
PROPERTY	TEST METHOD	UNITS						
DENSITY		PCF	1.25	1.5	1.75	2.0	2.5	3
COMPRESSION STRENGTH 10% STRAIN	ASTM-D3575	PSI	15	19	23	27	35	43
COMPRESSION STRENGTH 25% STRAIN	ASTM-D3575	PSI	19	23	28	32	41	50
COMPRESSION STRENGTH 50% STRAIN	ASTM-D3575	PSI	27	32	37	42	52	62
COMPRESSION STRENGTH 75% STRAIN	ASTM-D3575	PSI	62	70	79	87	103	120
TENSILE STRENGTH AT BREAK	ASTM-D3575	PSI	42	46	53	59	71	83
TEAR STRENGTH AT MAX LOAD	ASTM-D3575	LB/IN	8.7	10.5	12.2	13.9	17.4	20.9
FLEXUAL STRENGTH	ASTM-C203	PSI	34	41		55	69	83
FLEXUAL STRENGTH AT 5% STRAIN	ASTM-C203	PSI	27	34	41	47	61	75
FLEXUAL STRESS AT MAX LOAD	ASTM-C203	PSI	34	41	48	55	69	83
FLEXUAL STRAIN AT MAX LOAD	ASTM-C203	%	13.1	12.7	12.2	11.7	10.8	9.9
WATER ABSORPTION ( VOLUME	C272	%	.05-1.0	.05-1.0	.05-1.0	.05-1.0	.05-1.0	.05-1.0
THERMAL RESISTIVITY ( R ) PER INCH	@ 70	R	3.6	3.6	3.6	3.6	3.6	3.6
MAX. SERVICE TEMPERATURE	F		180	180	180	180	180	180
BUOYANCY	1 CUBIC FT.	LBS	61	60	59.8	59.5	59.3	59.1