

## VINYL FOAM TYPICAL PHYSICAL PROPERTIES

Test Method	SO500	V600	A600	LC700	V700	V800	V1100	V1500	V1520	V2500	VK1826SA	VK2526SA	V612-FR	C800	EP900	L1000	
Density (lbs./cu.ft.)	5#	6#	6#	7#	7#	8#	11#	15#	15#	25#	19#	25#	6#	8#	9#	10#	
Kg/M <sup>3</sup>	80	96	96	112	112	128	176	240	240	400	304	400	96	128	144	160	
ASTM D-1667																	
Hardness (shore 00)	8	20	14	10	14	25	28	40	40	58	65	90	20	27	30	23	
ASTM D-2240																	
Compression Deflection @25% psi	0.3	1.8	1.6	0.5	0.8	2	5	7	7	14	15 <sup>2</sup>	25 <sup>2</sup>	1.8	3.75	3.5	1.7	
kPa	2	12	11.2	3.5	6	14	34	48	48	96	103 <sup>2</sup>	172 <sup>2</sup>	12	25.8	24	12	
ASTM D-1667																	
Compression Set (@ 25%)	5	7	5	4	4	4	17	8	8	6	2.5 <sup>2</sup>	2.3 <sup>2</sup>	7	4	20	5	
ASTM D-1667																	
Water Absorption (% by volume)	N.A.	1.2	3.5	3.2	1.1	1.0	1.3	1.0	1.0	1.2	2.2	1.2	1.2	N.A.	N.A.	1.5	
GTP <sup>1</sup>																	
Tensile Strength psi	10	22	25	20	25	30	50	80	80	130	85	175	22	59	N.A.	30	
kPa	70	152	172	138	173	207	345	550	550	900	586	1207	152	407		207	
ASTM D-412																	
Percent Elongation	100	140	220	150	150	150	130	160	160	110	70	90	140	145	N.A.	130	
ASTM D-412																	
Thermal Conductivity (K factor)	0.26	0.26	0.27	0.27	0.27	0.27	0.28	0.30	0.30	0.33	0.31	0.33	0.26	N.A.	0.27	0.27	
(btu-in.)/(hr.sq.ft.) (°F)																	
w/mk	0.037	0.037	0.039	0.039	0.039	0.039	0.040	0.043	0.043	0.048	0.044	0.048	0.037	N.A.	0.039	0.039	
ASTM C-518																	
Recommended Service Temperature (°F)	-40 To 180			-30 To 200			-40 To 180			-10 To 210			-40 To 180			-30 To 180	
(°C)	-40 To 82			-35 To 90			-40 To 82			-23 To 100			-40 To 82			-35 To 80	
Recommended Application Temperature (°F)	50 To 110																
(°C)	10 To 45																
Fungi Resistance	Excellent										Good			Excellent			
Oxidation Resistance	Excellent										Good			Excellent			
Weather Resistance	Excellent										Good			Excellent			

(1) Gaska Tape Procedure (2) 10% Compression

N.A.-Not Applicable

Typical performance properties and characteristics are based on samples tested and are not guaranteed for all samples of this product.

Data is intended as a guide only and is presented without guarantees and without assumption of liabilities resultant from the use of information provided. This data is not to be used for specification purposes.