

# 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.) Kg/M <sup>3</sup> ASTM D-1667	5# 80	6# 96	6# 96	7# 112	7# 112	8# 128	11# 176	15# 240	15# 240	25# 400	19# 304	25# 400	6# 96	8# 128	9# 144	10# 160					
Hardness (shore 00) ASTM D-2240	8	20	14	10	14	25	28	40	40	58	65	90	20	27	30	23					
Compression Deflection @25% psi kPa ASTM D-1667	0.3 2	1.8 12	1.6 11.2	0.5 3.5	0.8 6	2 14	5 34	7 48	7 48	14 96	15 <sup>2</sup> 103 <sup>2</sup>	25 <sup>2</sup> 172 <sup>2</sup>	1.8 12	3.75 25.8	3.5 24	17 12					
Compression Set (@ 25%) ASTM D-1667	5	7	5	4	4	4	17	8	8	6	2.5 <sup>2</sup>	2.3 <sup>2</sup>	7	Less Than 1%	20	5					
Water Absorption (% by volume) GTP <sup>1</sup>	N.A.	1.2	3.5	3.2	1.1	1.0	1.3	1.0	1.2	1.2	2.2	1.2	1.2	N.A.	N.A.	1.5					
Tensile Strength psi kPa ASTM D-412	10 70	22 152	25 172	20 138	25 173	30 207	50 345	80 550	80 550	130 900	85 586	175 1207	22 152	59 407	N.A.	30 207					
Percent Elongation ASTM D-412	100	140	220	150	150	150	130	160	160	110	70	90	140	220	N.A.	130					
Thermal Conductivity (K factor) (btu-in.)/(hr.sq.ft.) (°F) w/mk ASTM C-518	0.26 0.037	0.26 0.037	0.27 0.039	0.27 0.039	0.27 0.039	0.27 0.039	0.28 0.040	0.30 0.043	0.30 0.043	0.33 0.048	0.29 0.044	0.33 0.048	0.26 0.037	N.A. N.A.	0.27 0.039	0.27 0.039					
Recommended Service Temperature (°F) (°C)				-40 To 180 -40 To 82			-30 To 200 -35 To 90			-40 To 180 -40 To 82			-10 To 200 -23 To 100			-40 To 180 -40 To 82		-30 To 180 -35 To 80		-30 To 200 -35 To 90	
Recommended Application Temperature (°F) (°C)	50 To 110 10 To 45																				
Fungi Resistance	Excellent										Good			Excellent							
Oxidation Resistance	Excellent										Good			Excellent							
Weather Resistance	Excellent										Good			Excellent							

\*Based on 0.500" Thickness (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.