

Test Results

Summary of Results (Tensile)	Stress (psi)	Stress (psf)
Non-Accelerated Aged Samples		
Average Ultimate Tensile Stress	21.92	3156
Standard Deviation	1.71	247
Average-1 Standard Deviation	20.21	2910
Min Ultimate Tensile Stress	19.90	2866
Accelerated Aged Samples		
Average Ultimate Tensile Stress	18.66	2687
Standard Deviation	2.40	346
Average-1 Standard Deviation	16.26	2342
Min Ultimate Tensile Stress	16.40	2362
Allowable Tensile Stress (FS=5.00)	3.28	472
Allowable Tensile Stress for Seismic Loading FS=3.75) ¹	4.36	628

Summary of Results (Shear)	Stress (psi)	Stress (psf)
Non-Accelerated Aged Samples		
Average Ultimate Shear Stress	10.37	1493
Standard Deviation	1.43	206
Average-1 Standard Deviation	8.94	1287
Min Ultimate Shear Stress	9.39	1352
Accelerated Aged Samples		
Average Ultimate Shear Stress	9.60	1383
Standard Deviation	1.81	260
Average-1 Standard Deviation	7.80	1123
Min Ultimate Shear Stress	8.49	1222
Allowable Shear Stress (FS=5.00)	1.70	244
Allowable Shear Stress for Seismic Loading FS=3.75) ¹	2.26	325

Note 1: The recommendations for a factor of safety of 5.0 are based on ICBO Acceptance Criteria (AC05). The factor of Safety FS=3.75 is equal to FS=5.0/1.33. The 1.33 increase is also allowed under the International Building Code.