

COMPRESSION TEST

Test performed by RADCO
Resources, Applications, Designs and Controls, Inc. | Long Beach, CA 90805

Setup and procedure: Two shims were held together with clear tape, smooth face to smooth face and were centrally placed on a 12" x 12" x 3/8" steel plate. The load was applied by a double 12" x 12" x 3/8" welded steel plate held above the shims, aligned to the bottom plate. The rate of loading was set to 0.032 inch per minute by RADCO's United Table Model Electro-mechanical testing machine, model number, STM-20, equipped with an electronic load cell and a computerized data acquisition system.

Loading was continued until 16,000 pounds approximately. The test was stopped at the ultimate load shown in the table due to the limitation capacity of the testing machine. Data was recorded to develop load vs. deformation curves.

Test results: The shims did not fail or show any permanent deformation.

Load Cell Capacity	20000 lbs	Crosshead Speed (inches/min) or Rate	0.032				
Preload Value	1 lb	Extension or Position Measured by	XHD_100 (XHD100)				
Test No	Spec ID	Width	Length	Peak Load	Extension at Peak Load	Peak (psl)	Tan Mod (psl)
9022	1-1	1.50"	8.00"	16,147.61 lbs	0.08	1,345.634	11,871.48
9023	1-2	1.50"	8.00"	16,123.73 lbs	0.08	1,343.644	12,411.82
9024	1-3	1.50"	8.00"	16,096.95 lbs	0.08	1,341.413	12,976.97
9025	1-4	1.50"	8.00"	16,106.64 lbs	0.08	1,342.220	12,435.33
9026	1-5	1.50"	8.00"	16,109.39 lbs	0.08	1,342.449	13,215.31
Mean		1.50"	8.00"	16,116.87 lbs	0.08	1,343.072	12,582.18
Std Dev		0.00	0.00	19.70 lbs	0.00	1.622	527.35
Maximum		1.50	8.00	16,147.61	0.08	1,345.834	13,215.31
Minimum		1.50	8.00	16,096.95	0.08	1,341.413	11,871.48
Range		0.00	0.00	50.66	0.00	4.222	1,343.83

