

Technical Report

Compression Set on :

Brock ShockPad 17

Prepared October 15, 2018

Summary

Test procedures to measure compression set for 35 psi for 30 min

1. Samples

The test was performed on cut portions of panels of **Brock ShockPad 17**.

2. Method of test

Test is performed on a test fixture consisting of two steel plates held parallel by steel guides. The samples were cut to 4.5 in x 4.5 in, placed atop the steel base plate, and the top steel plate was positioned on the sample so that the weight was distributed evenly on the surface. The top plate was then loaded to the test-specified compression stress of 35psi for 30 min, after which time the sample was unloaded and removed from the fixture to allow recovery for 24 hours.

3. Results

SP17, 35psi, 30 min Compression

35 psi			
	Initial Thickness (mm)	Thickness after Recovery (mm)	Compression Set (percent)
Sample 1	17.070	16.200	5.097%
Sample 2	17.075	16.145	5.447%
Sample 3	17.110	16.260	4.968%
Averages	17.085	16.202	5.170%

END OF REPORT