



2883 East Spring Street
Suite 300
Long Beach CA 90806

Tel 562.426.3355
Fax 562.426.6424

April 7, 2021
Project # 210139.1
Page 1 of 3

Jim Selevan
Pi Variables, Inc.
Lab Testing

Subject: Pi-Lit Compression Test

Twining was contacted by Jim Selevan to perform compression test on three Pit-Lit samples numerically Identified by client as # 1, # 2, # 3, the purpose of testing per our understating is to evaluate the compression strength resistance of the samples when subjected to constant vertical loading until failure as instructed by client.

Equipment used:
United UTM
ID: 1112580
Calibration Date: 10/6/2020
Calibration Due: 10/6/2021

Summary of Test:

- Each sample was placed on the center of lower platen of the U.T.M.
- Preload of 2.22 KN (500 lbf) was applied at a rate of 0.1 (inch/minute).
- load was applied to the sample at a rate of 0.2 (inch/minute) until failure.

Test Results:

Sample # 1: The machine was set for a maximum of 35,000 lbs. but when I performed the test on sample # 1, load reached the 35k and the machine shut down automatically, while the sample started to deform at 33k

Sample # 2: Maximum load achieved for this sample was 50007 lbs. sample started to deform at 29500 lbs. (no crack): however; crazing noise

Sample # 3- maximum load achieved for this sample was 50000 lbs. sample started to deform with crack noise at 31000 lbs.

Respectfully submitted,
TWINING, INC.

Mike Fattal, Senior Project Engineer
Specialty and Advanced Testing Manager

Photos of Tested Samples



