



TECHNICAL REPORT ON THE COMPRESSIVE STRENGTH OF RUBBER I-BEAMS

Client: Plastic Forests

21 Union Road, North Albury NSW 2640

ExcelPlas Job # 12106 Compressive Strength

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2 June 2022

COMMERCIAL-IN-CONFIDENCE



1. Objective

The objective of this study is to measure the compressive strength of rubber I-beam sample.

2. Samples Supplied

Rubber I-beam sample were supplied by David Hodge of Plastic Forests for measurement of compressive strength.

The identifications of the samples were:

Sample ID:	Description:
12106-2	Sample N

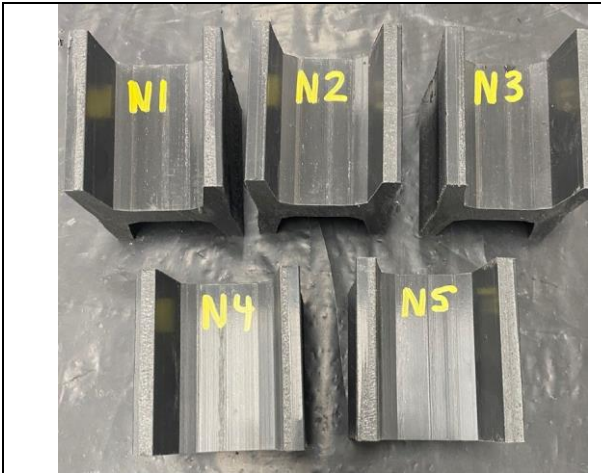


Figure 1. Samples as received by ExcelPlas.

3. Testing Undertaken

The compressive strength testing was undertaken according to the principle from ASTM D695 with modifications.



4. Testing Methodology

The compressive strength testing was conducted using a Comotech Universal Testing Machine QC-503A2 S/N 114870 (Asset No. 006) according to the procedure described in ASTM D 695 with modification.

5. Conditioning.

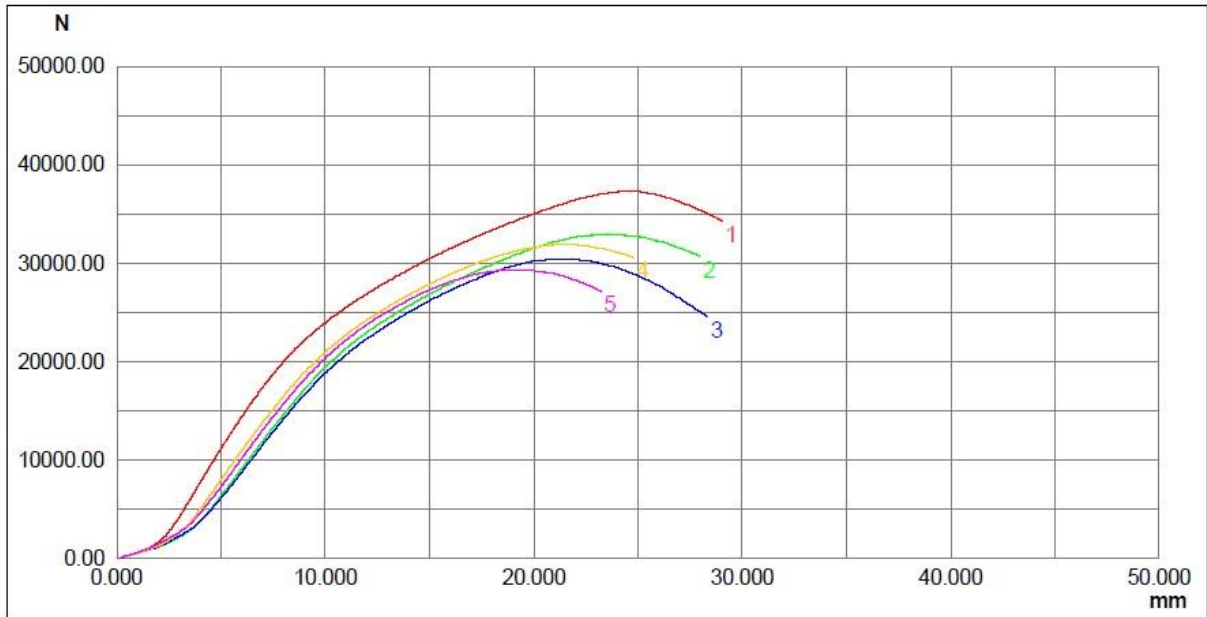
Sample 12016-2 specimens were conditioned at 35°C for 48 hours prior to testing. The testing was done at 23°C and 50% relative humidity.

6. Results

Sample Identification: 12016-2
Date of Test: 1st June 2022

	The length of the middle structure (mm)	Sample Thickness (mm)	Sample Mass (g)	Maximum Compressive Strength (N)	Maximum Compressive Stress (MPa)
Specimen 1	99.73	20.79	366.68	37326	18.0
Specimen 2	100.79	20.49	359.44	32954	16.0
Specimen 3	100.45	20.40	356.70	30491	14.9
Specimen 4	101.64	20.59	365.60	31932	15.3
Specimen 5	100.99	20.44	360.50	29373	14.2
Average	100.72	20.54	361.78	32415	15.7
StDev	0.703	0.156	4.23	3066	1.45





Prepared By	Reviewed By
	
Date: 2 June 2022	Date: 2 June 2022
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