

## LOAD TEST REPORT

<b>Customer<sup>1</sup></b>	<b>Beyond Materials Group Pty Ltd</b>
<b>Customer Address<sup>1</sup></b>	6/33 Jade dr, Molendinar, Queensland, Australia 4214
<b>Requested By<sup>1</sup></b>	Dimitry
<b>Purchase Order<sup>1</sup></b>	TBC
<b>Issuing Laboratory</b>	MechTest - Brisbane Laboratory
<b>Report Number</b>	RB21-3748-01 Rev01
<b>Job Description<sup>1</sup></b>	Tensile test of fibre glass rods
<b>Identification<sup>1</sup></b>	1) SB20-3748-01 – 8mm basalt frp rods Qty 3
<b>Test Specification<sup>1</sup></b>	Client Requirements and AMTS 04-06-01
<b>Acceptance Criteria<sup>1</sup></b>	Client Requirements.
<b>Material Specification<sup>1</sup></b>	Not specified.
<b>Job Location</b>	Brisbane Laboratory.
<b>Test Date</b>	19 January 2021
<b>Test Method<sup>1</sup></b>	AMTS 04-06-01
<b>Test Technician</b>	Vipul Raj
<b>Test Results</b>	Refer to the results on the following page.
<b>Reason for revision</b>	Terminology amendment

Note 1: Information supplied by Client. This information may affect the validity of the result.

Form ID: AMTS-06-06-01 (R0)  
All samples will be discarded after 4 weeks, unless requested otherwise.  
The test results included in this document relate only to the items tested.  
This document shall not be reproduced, except in full.

**Authorised  
Signatory**



Vipul Raj  
19 January 2021

### LOAD TEST RESULTS

<b>Loading device</b>	1000 kN Universal Testing Machine
<b>Test Temperature</b>	Ambient (23.2°C)
<b>Test Speed</b>	N/A
<b>Test Humidity</b>	N/A
<b>Sample details</b>	As supplied

Table 1 Load test results

Sl. No.	Item	Diameter (mm)	Gauge length (mm)	UTS (kN)	UTS (MPa)
1)	Sample 1	7.31	190	46.65	1111
2)	Sample 2	7.23	190	45.94	1118
3)	Sample 2	7.38	190	45.36	1060
				Average UTS = <b>1096.33 MPa</b>	

Result: The supplied items comply with client requirements.

**PHOTOGRAPHS**



Figure 01: Test set up



Figure 02: Sample 01



Figure 03: Sample 02



Figure 04: Sample 03



Figure 05: Samples after failure

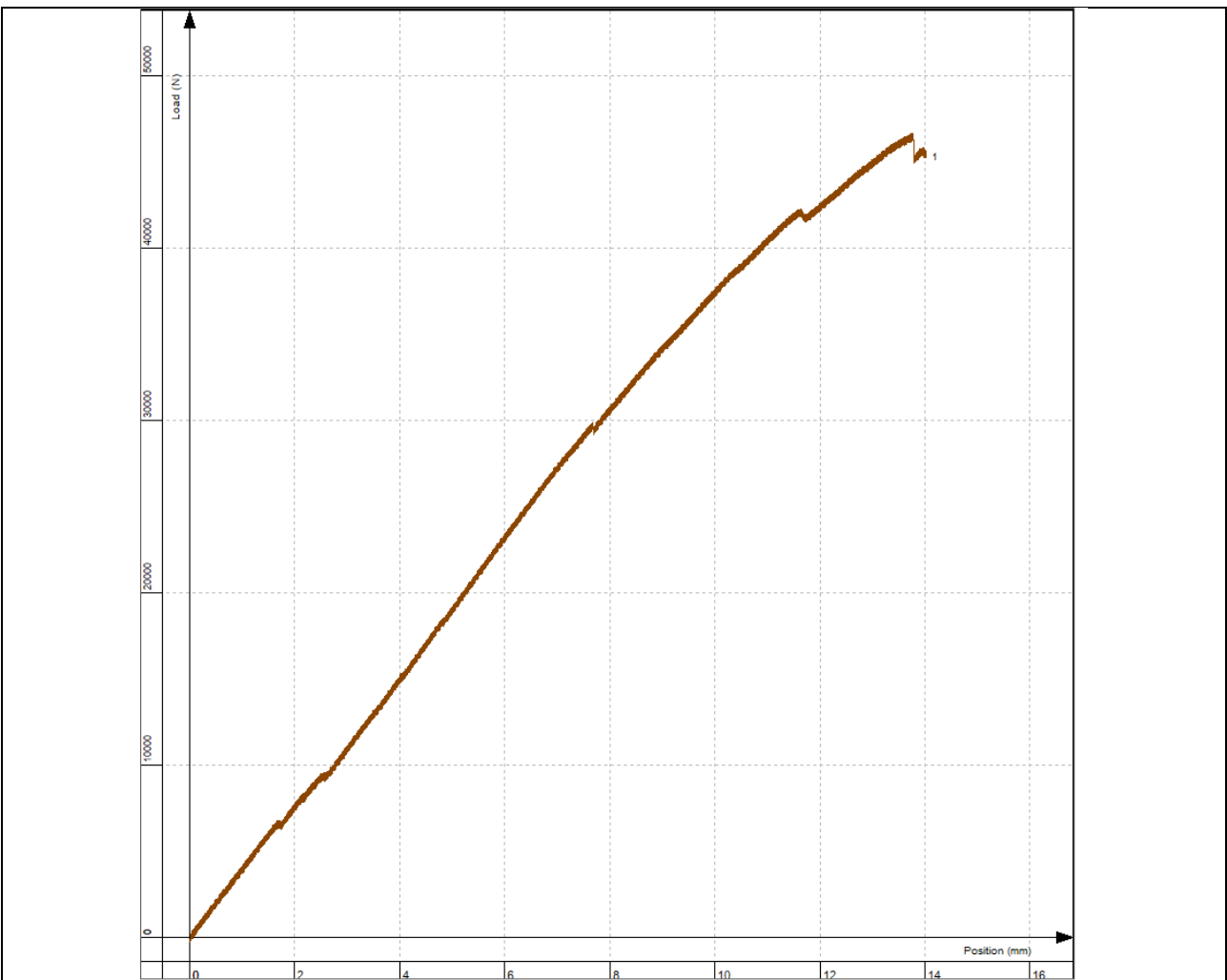


Figure 06: Load v/s displacement - Sample 01

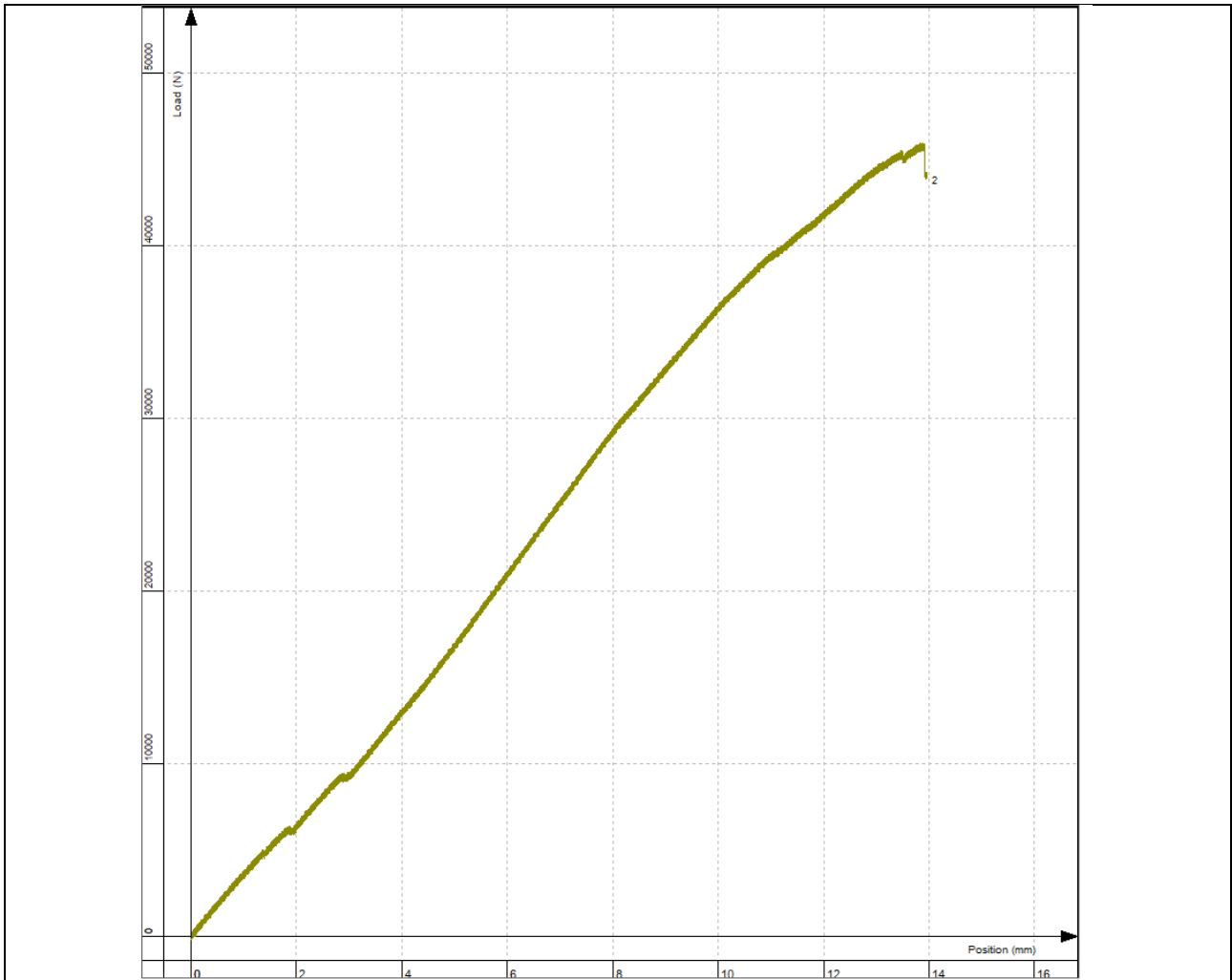


Figure 07: Load v/s displacement - Sample 02

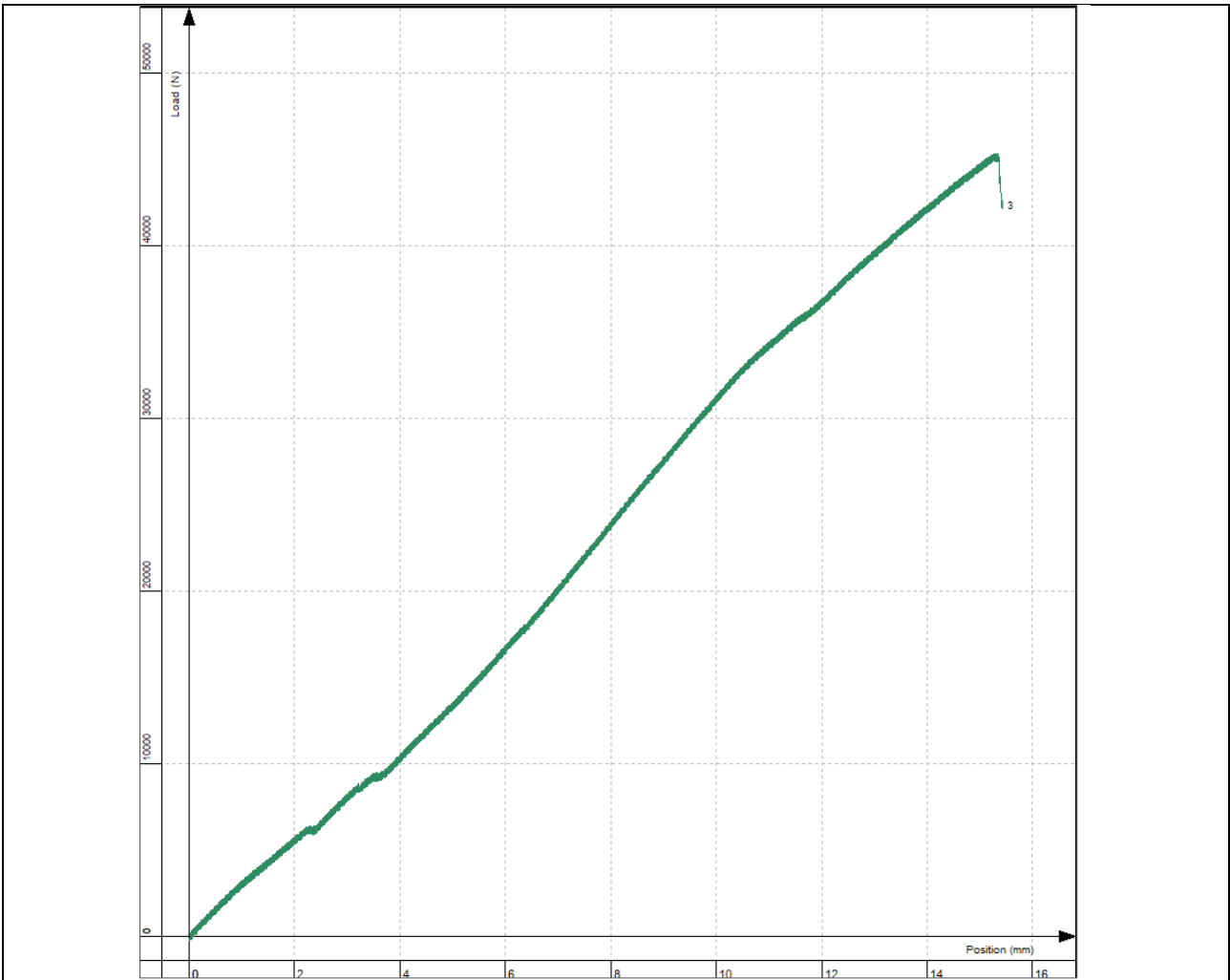


Figure 08: Load v/s displacement - Sample 03