

COMPRESSION TEST REPORT

Client: Honcho Supplies
ATTENTION: Nikki Willard
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FIVE DOCK NSW 2046

Job No: 15955
Test Date: 09/11/2020

Specimen Description:	Four (4) HCFMD15 board samples, 100mm x 100mm x 6mm thick.		
Test Machine:	Shimadzu AGS-X 300 kN UTM	Test Speed:	5 mm/min

Results:

The force vs displacement results of the four samples tested is shown in Figure 2. The maximum compressive force and final thickness after compression for each sample are shown in Table 1. The samples were compressed until the distance between the compression platens was approximately 2 mm to account for the thickness of the collapsed board.

The HCFMD15 board samples achieved a minimum compressive force of 11.1 kN, equivalent to 1.18 tonne, at yield. Clear yielding of the material was exhibited between 0.5 – 1 mm. The samples were permanently deformed to a final thickness of 5.15 – 5.32 mm.

Table 1. Compressive Strength Results

Specimen ID	Compressive Force at yield (kN)	Initial thickness prior to testing (mm)	Final thickness after testing (mm)
HCFMD15-1	13.5	5.98	5.22
HCFMD15-2	11.6	6.00	5.24
HCFMD15-3	13.2	6.01	5.32
HCFMD15-4	11.1	5.98	5.15

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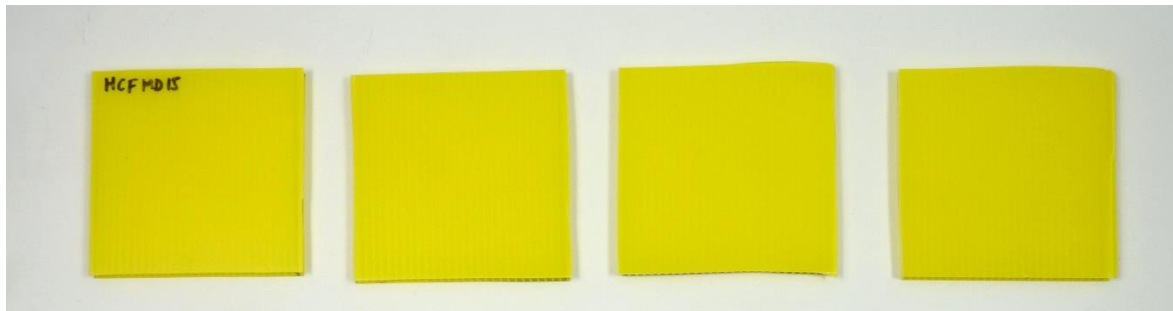


Figure 1. Test Samples.

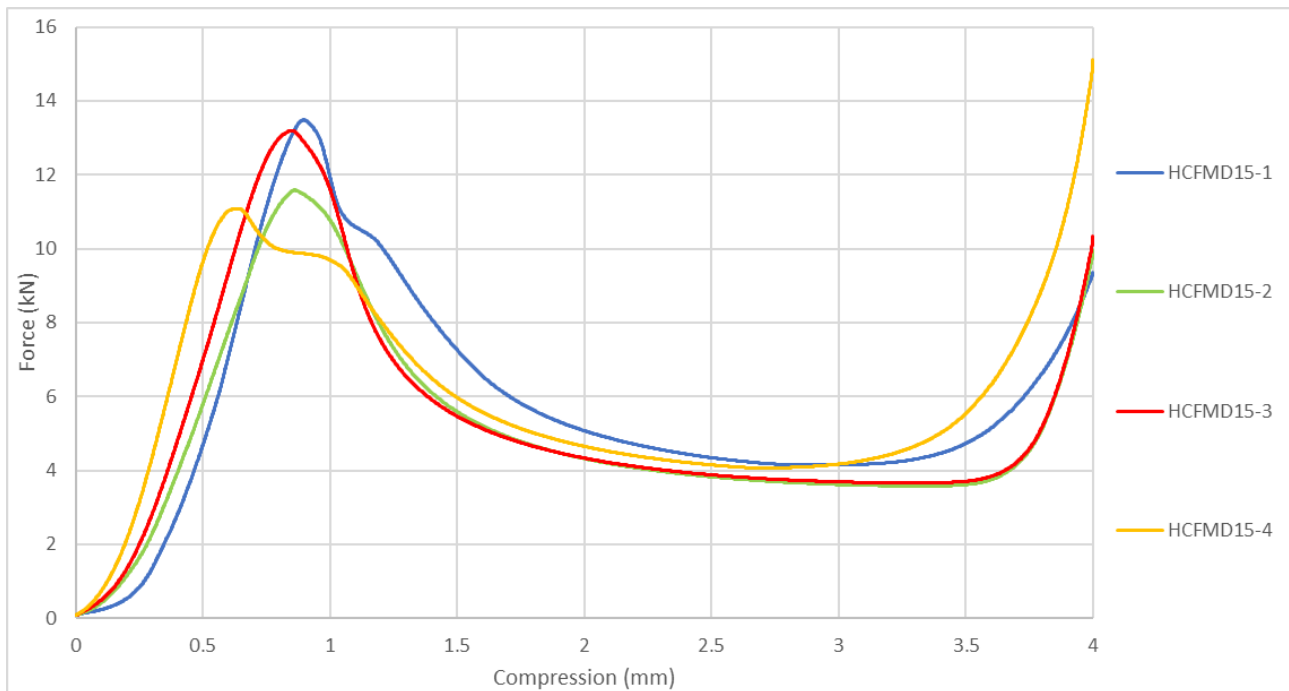


Figure 2. Test Results.