# Preliminary Rheometer Tests

To determine the following aspects:

- See whether or not there will be a ‘steady’ force after many tests. Previous tests shows that the more tests are done, the higher the peak of adhesion will be. However, this was always just done 3-4 times. Now, many more tests will be done to see whether the tests converge.

Samples are dried not overnight, but are kept within a plastic bag directly after co-consolidating.

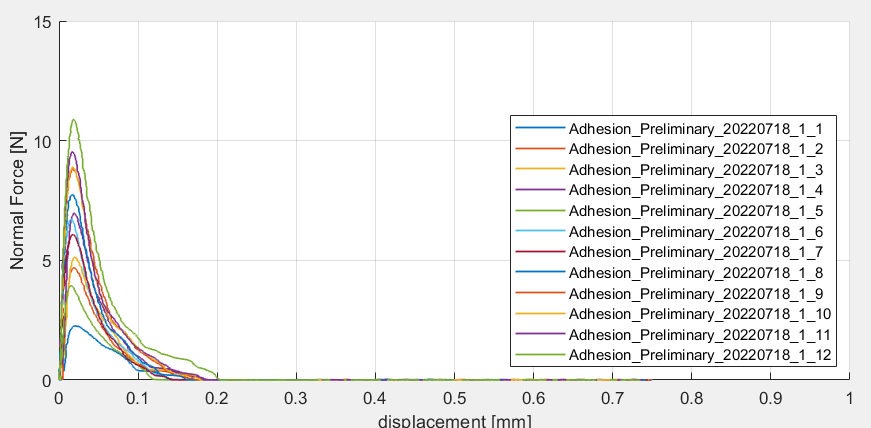
## Specimen 1

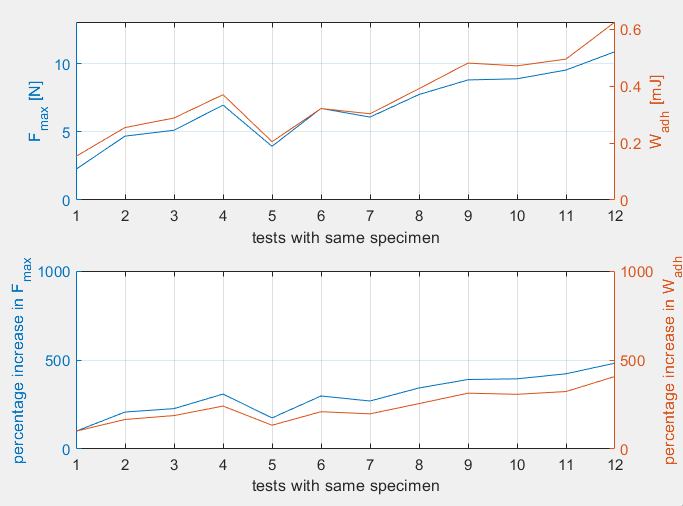
|  |  |  |
| --- | --- | --- |
| **Parameter** |  |  |
| Temperature | 340 | C |
| Compression Force | 5 | N |
| Compression Time | 120 | sec |
| Compression sample rate | 1 | Hz |
| Displacement rate | 0.05 | mm sec-1 |
| Displacement sample rate | 200 | Hz |
|  |  |  |
| Relaxation Time | 10 | Sec |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Test name** | **Specimen on top** | **Specimen on bottom** |
| Adhesion\_Preliminary\_20220718- 1 - 1 t/m 12 | 20220714- 17  (CoConsolidated) | 20220714 – 25 (CoConsolidated) |

5th test: Specimens were angled ~85 degrees, rather than 90 degrees w.r.t each other.

### Results:



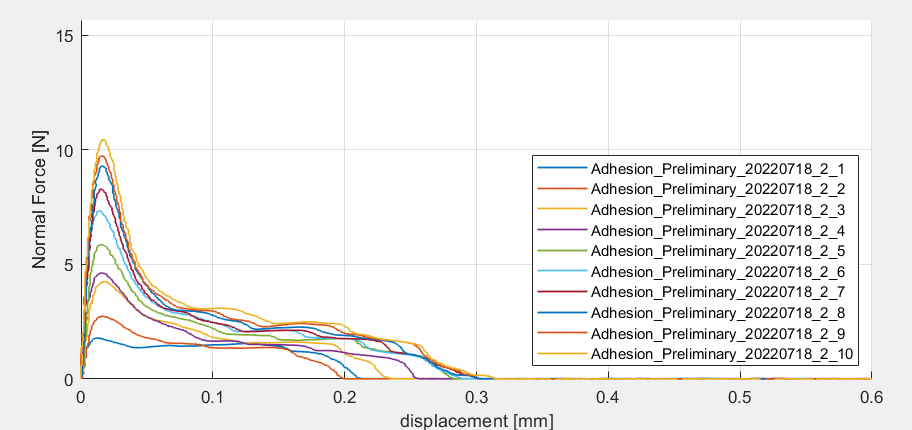


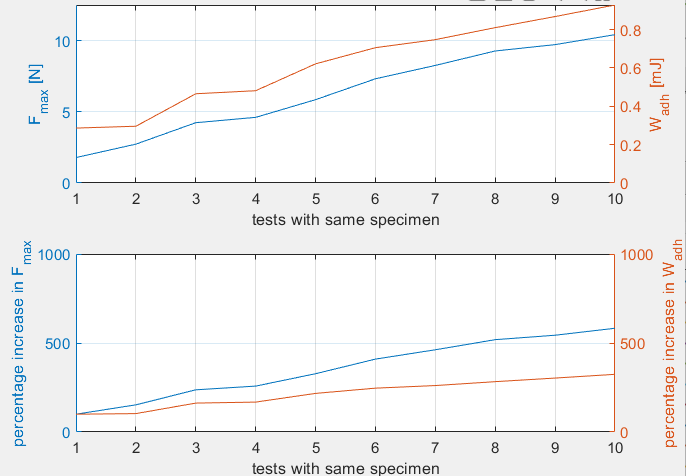
### Specimen 2

|  |  |  |
| --- | --- | --- |
| **Parameter** |  |  |
| Temperature | 340 | C |
| Compression Force | 5 | N |
| Compression Time | 120 | sec |
| Compression sample rate | 1 | Hz |
| Displacement rate | 0.05 | mm sec-1 |
| Displacement sample rate | 200 | Hz |
|  |  |  |
| Relaxation Time | 10 | Sec |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Test name** | **Specimen on top** | **Specimen on bottom** |
| Adhesion\_Preliminary\_20220718- 2 - 1 t/m 10 | 20220714- 63  (CoConsolidated) | 20220714 – 39 (CoConsolidated) |

### Results:





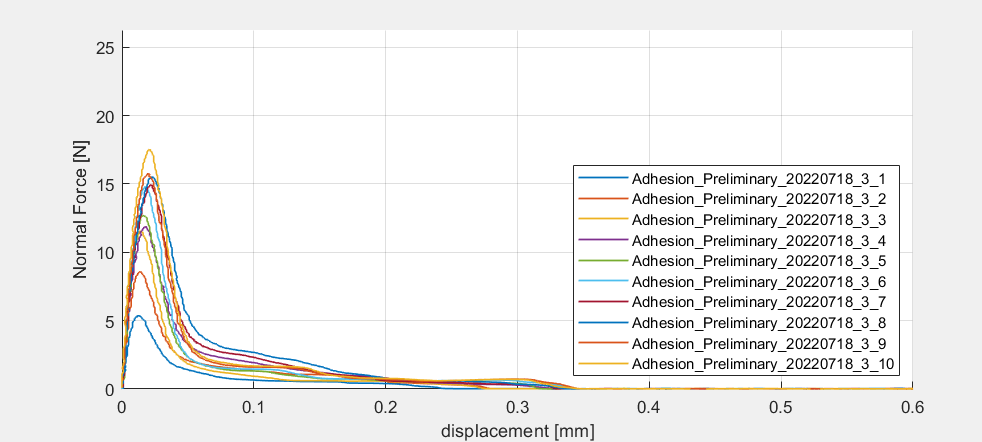
### Notes:

## Specimen 3

|  |  |  |
| --- | --- | --- |
| **Parameter** |  |  |
| Temperature | 340 | C |
| Compression Force | 5 | N |
| Compression Time | 120 | sec |
| Compression sample rate | 1 | Hz |
| Displacement rate | 0.05 | mm sec-1 |
| Displacement sample rate | 200 | Hz |
|  |  |  |
| Relaxation Time | 10 | Sec |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Test name** | **Specimen on top** | **Specimen on bottom** |
| Adhesion\_Preliminary\_20220718- 3 - 1 t/m 10 | 20220714- 49  (CoConsolidated) | 20220714 – 50 (CoConsolidated) |

### Results:



### Notes:

