

APPENDIX A—Compression After Impact Tests Histories

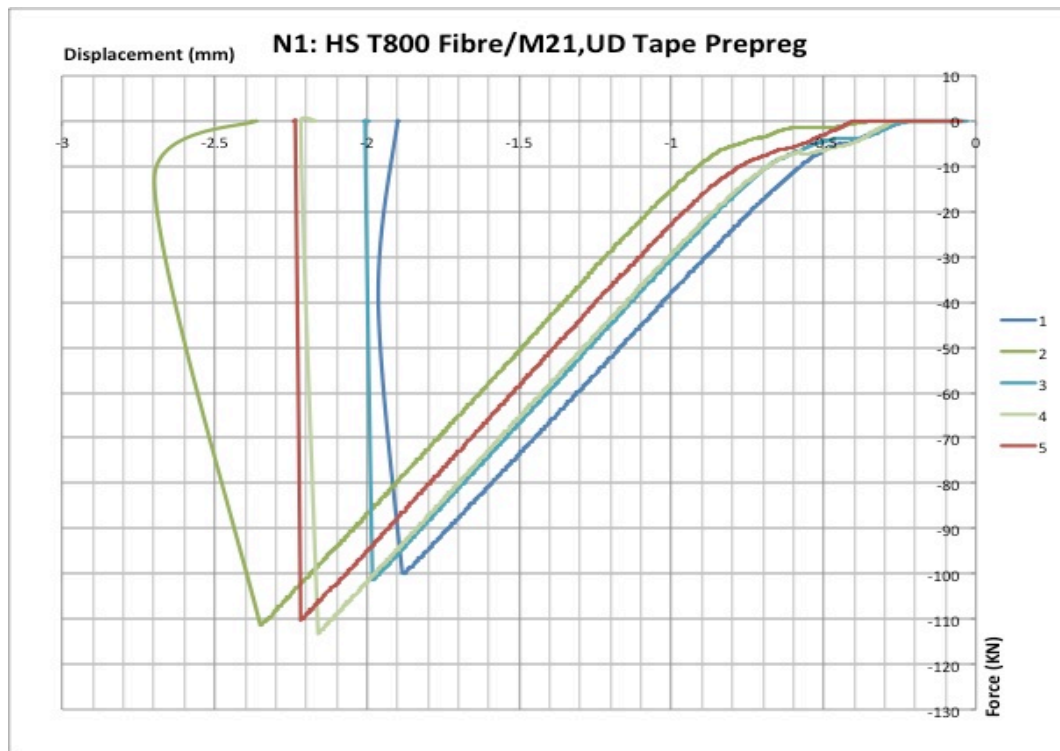


Figure 71 Compression After Impact Tests History of No.1

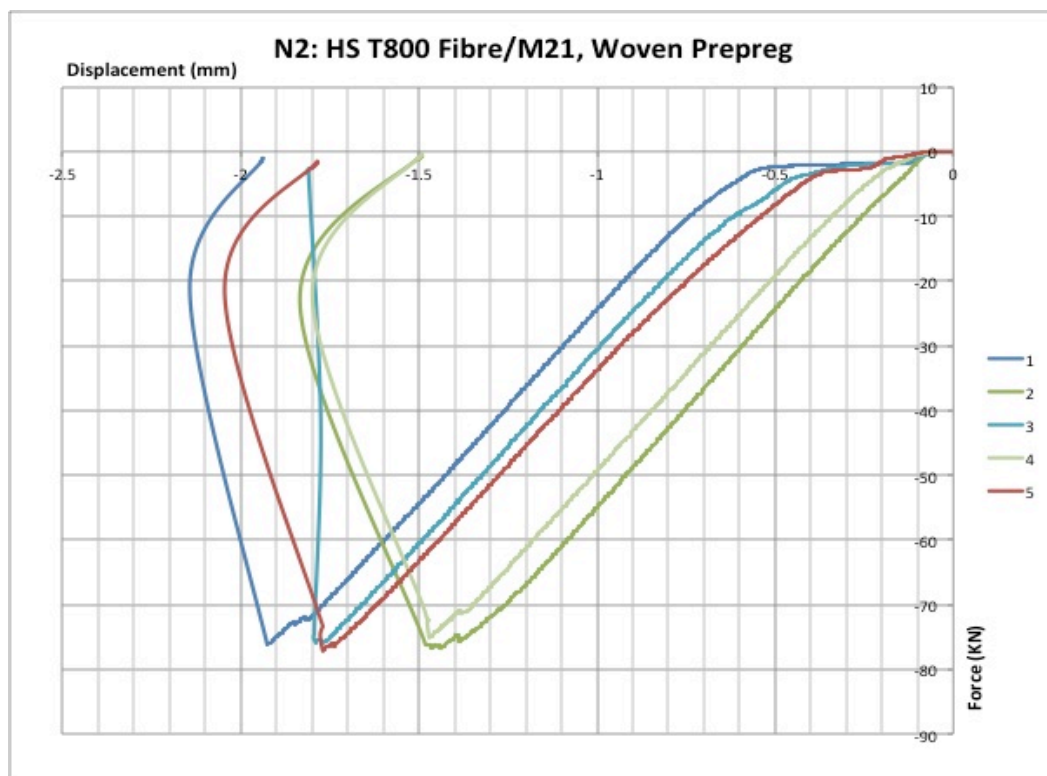


Figure 72 Compression After Impact Tests History of No.2

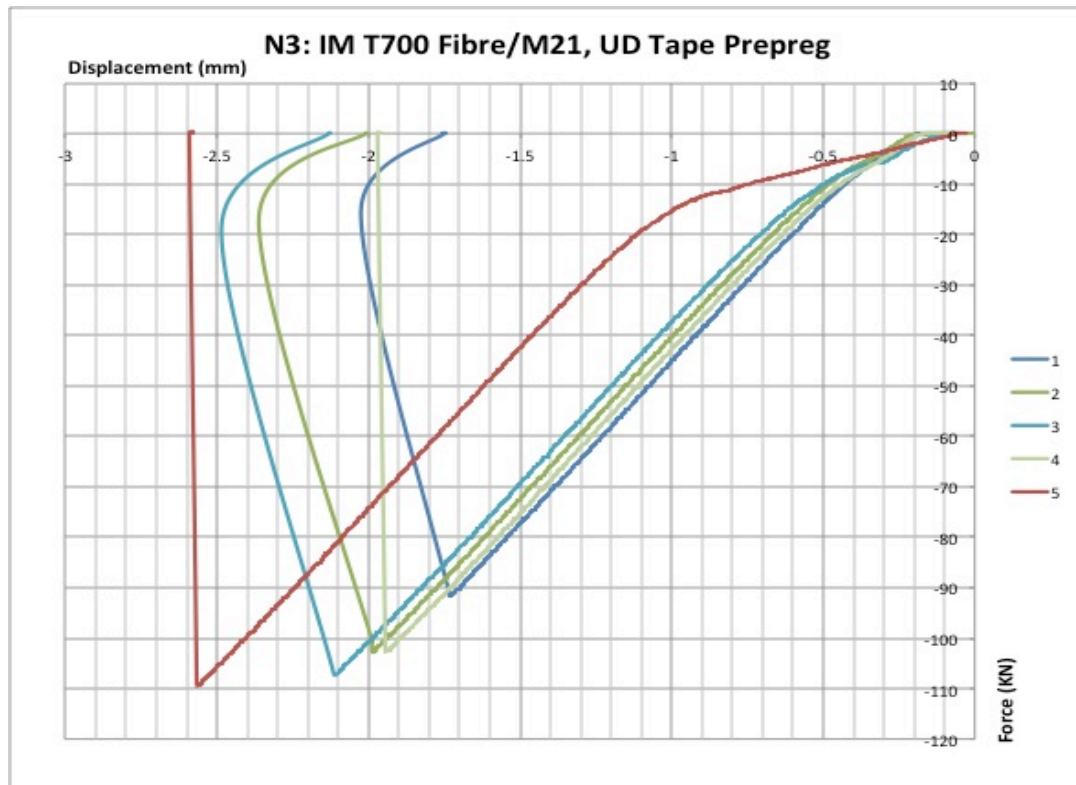


Figure 73 Compression After Impact Tests History of No.3

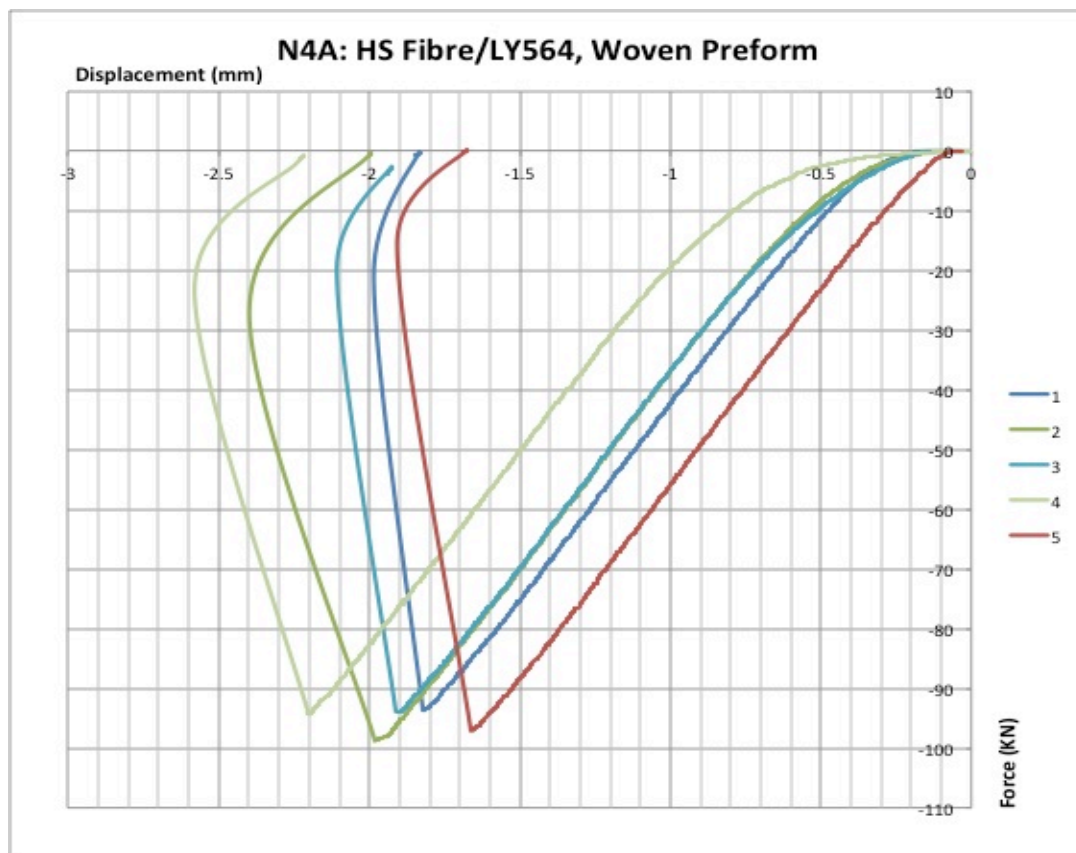


Figure 74 Compression After Impact Tests History of No.4A

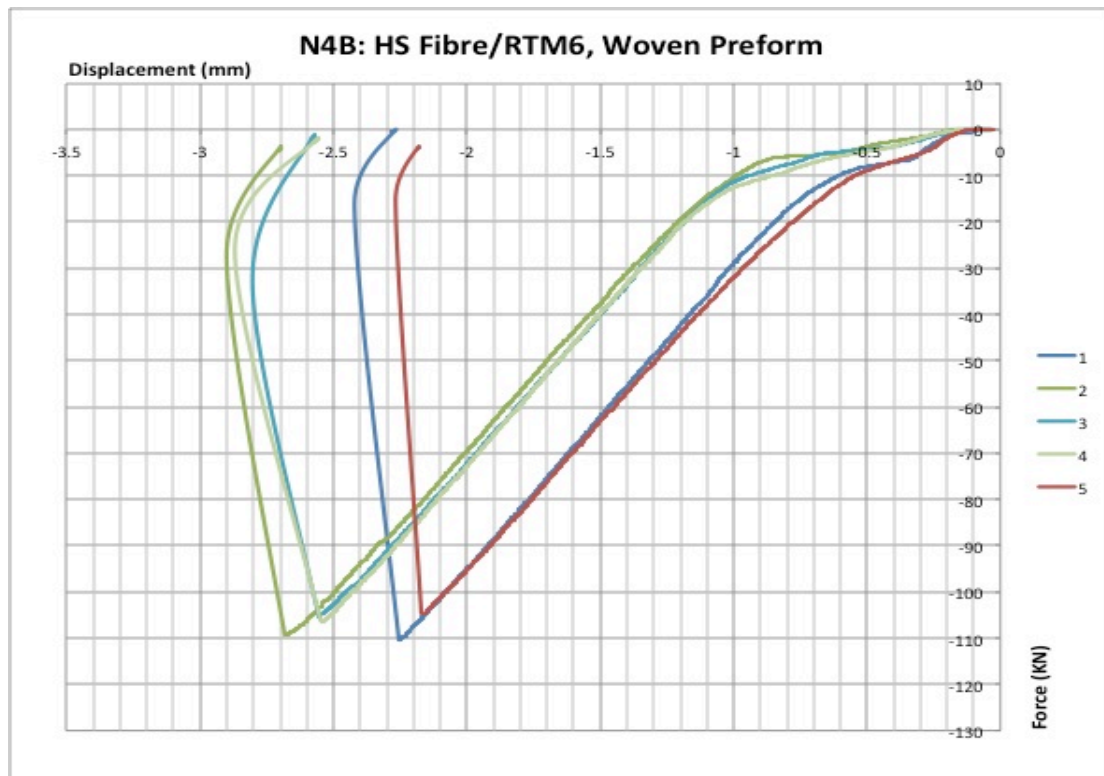


Figure 75 Compression After Impact Tests History of No.4B

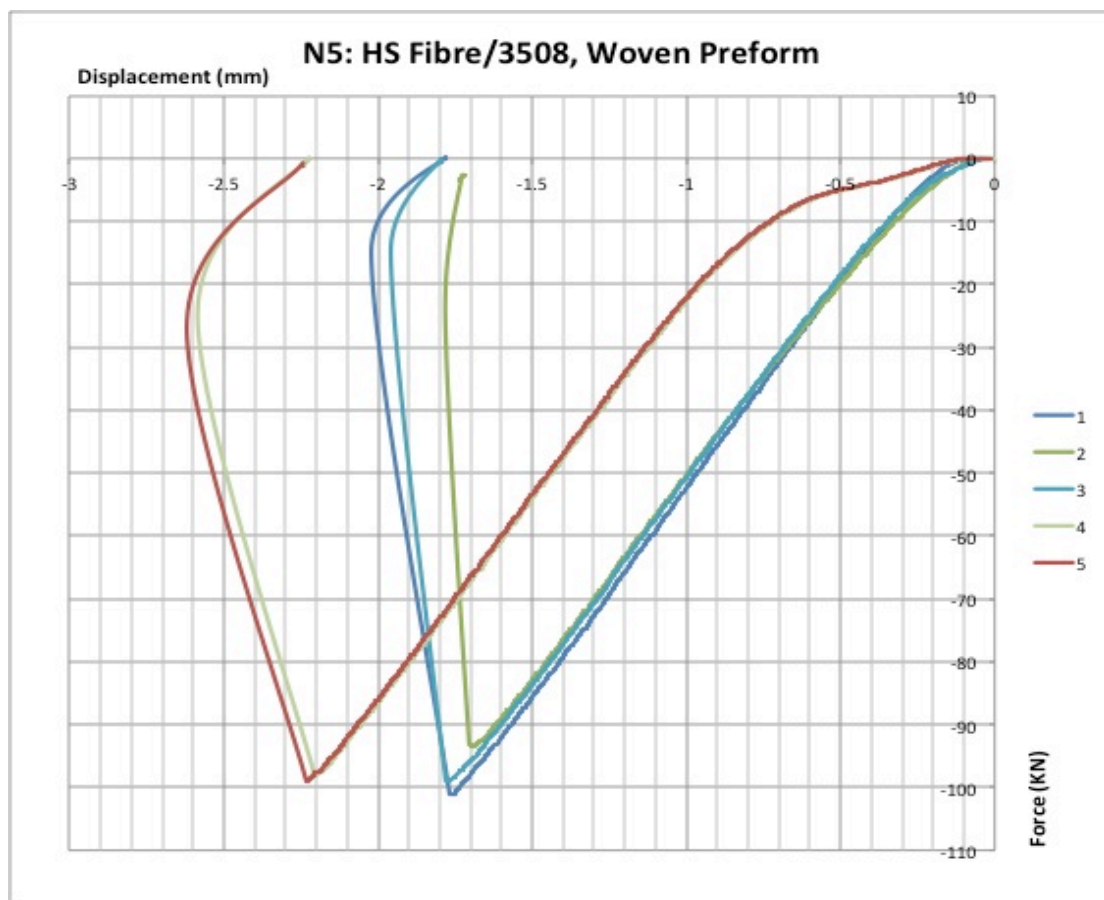


Figure 76 Compression After Impact Tests History of No.5

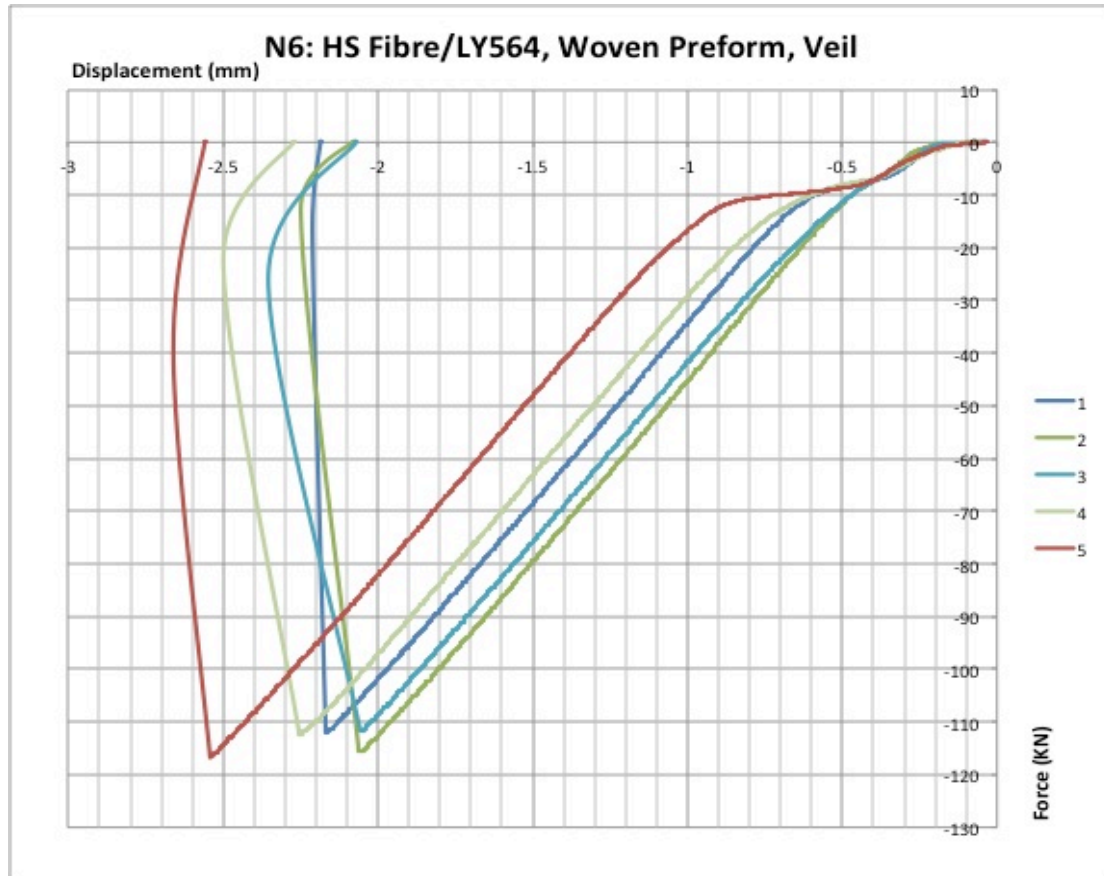


Figure 77 Compression After Impact Tests History of No.6

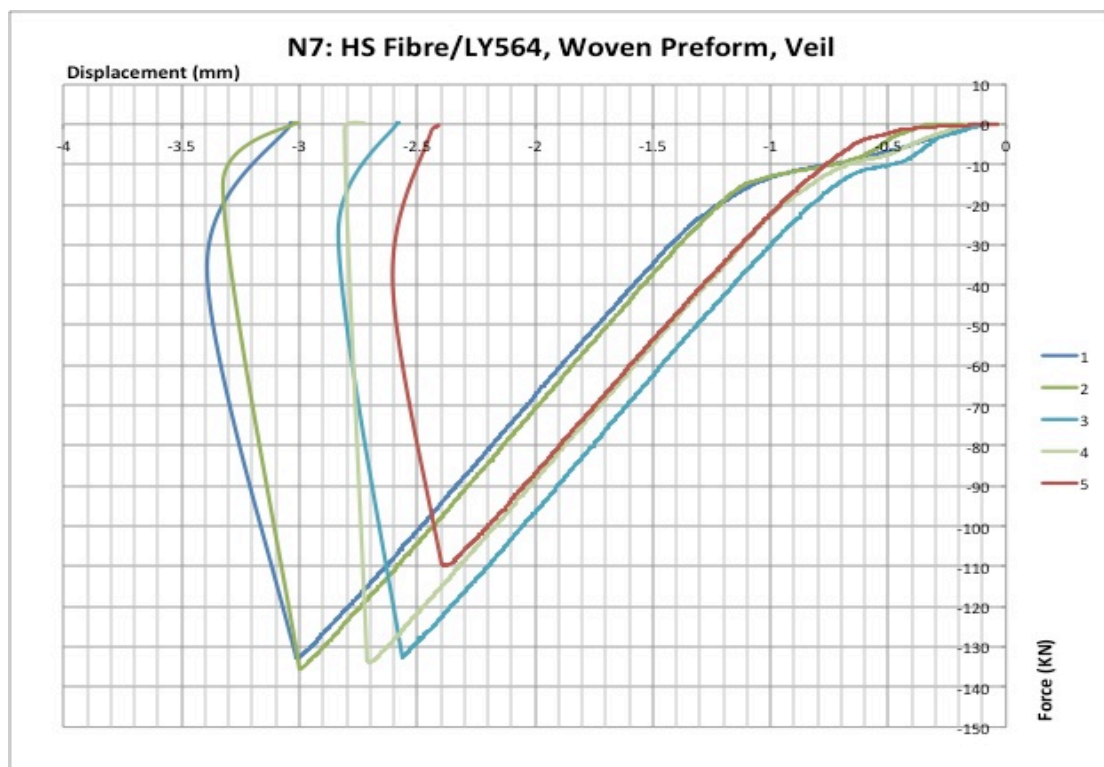


Figure 78 Compression After Impact Tests History of No.7

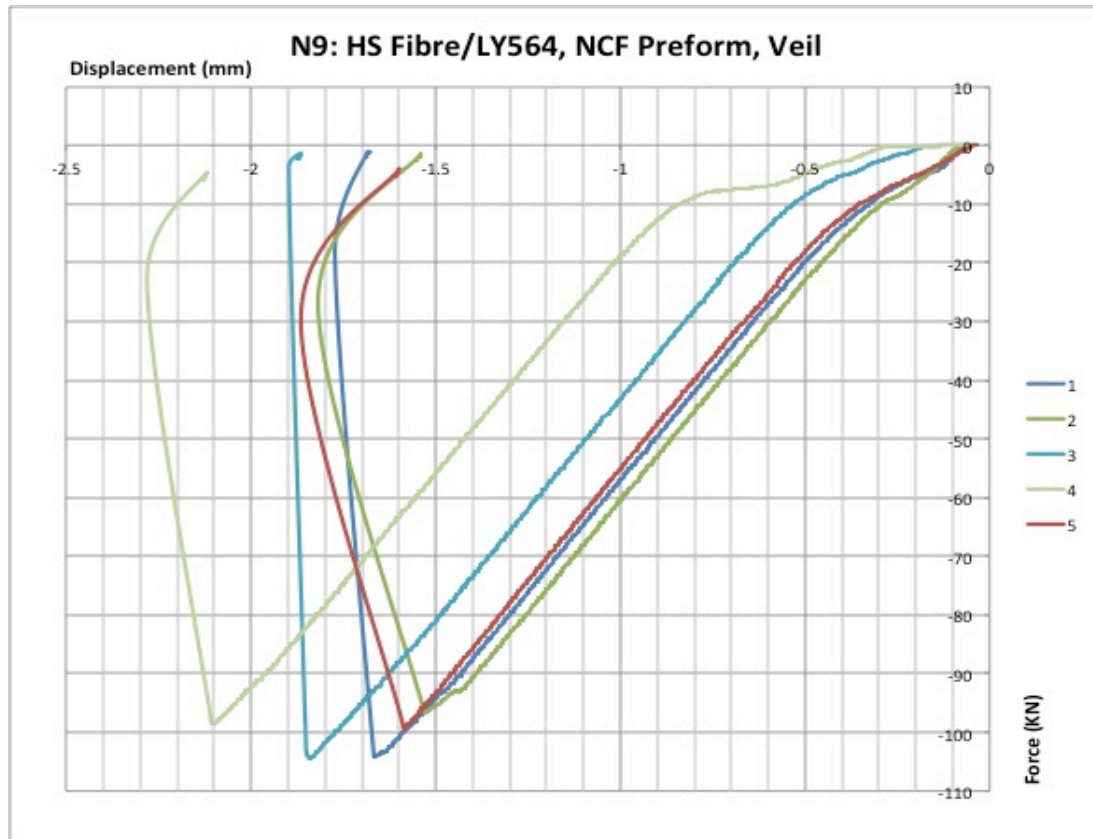


Figure 79 Compression After Impact Tests History of No.7

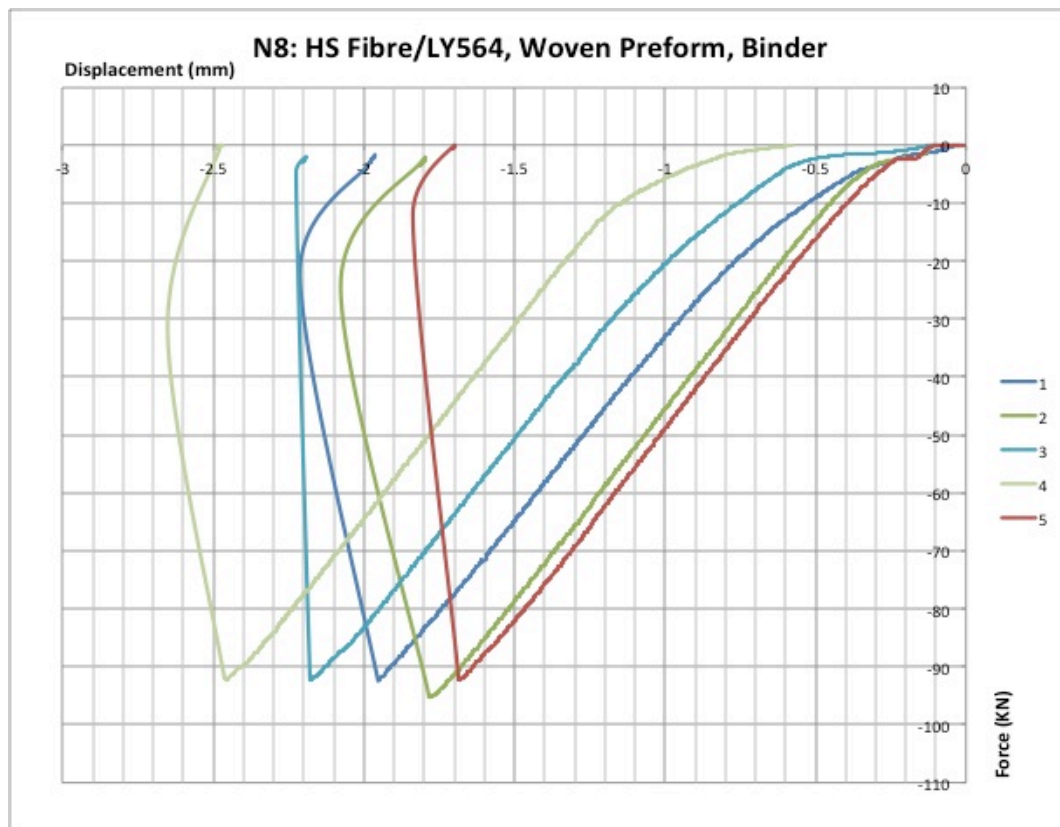


Figure 80 Compression After Impact Tests History of No.8

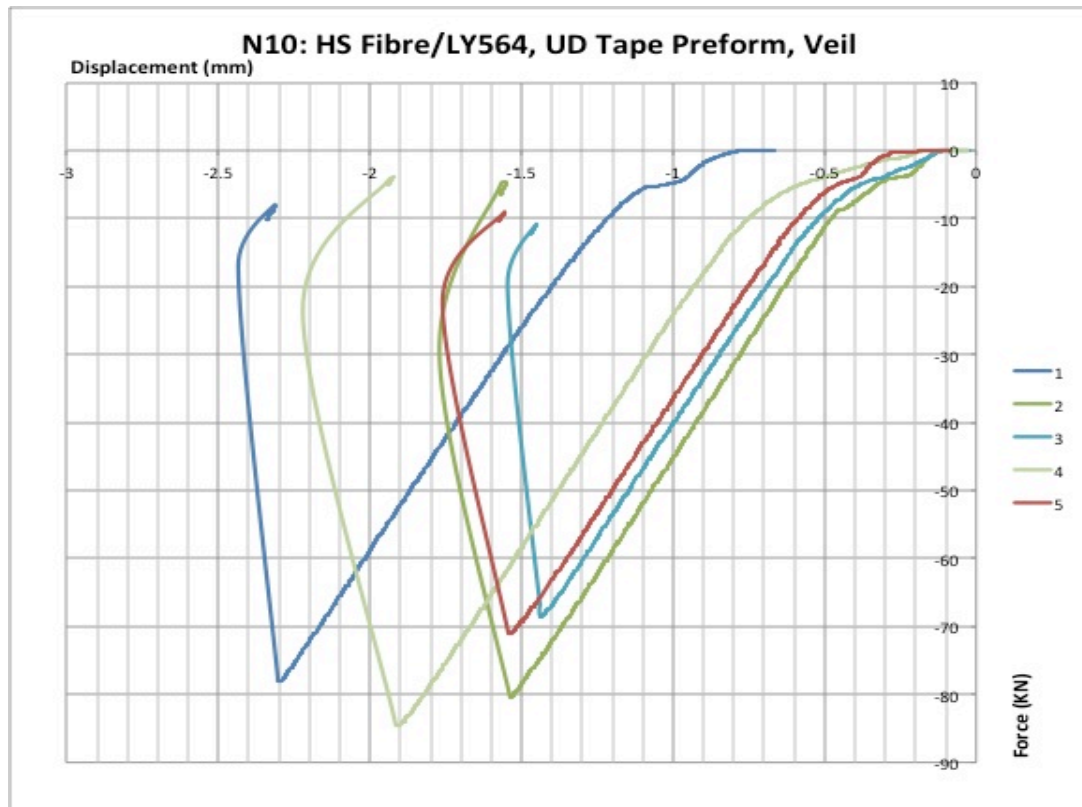


Figure 81 Compression After Impact Tests History of No.10

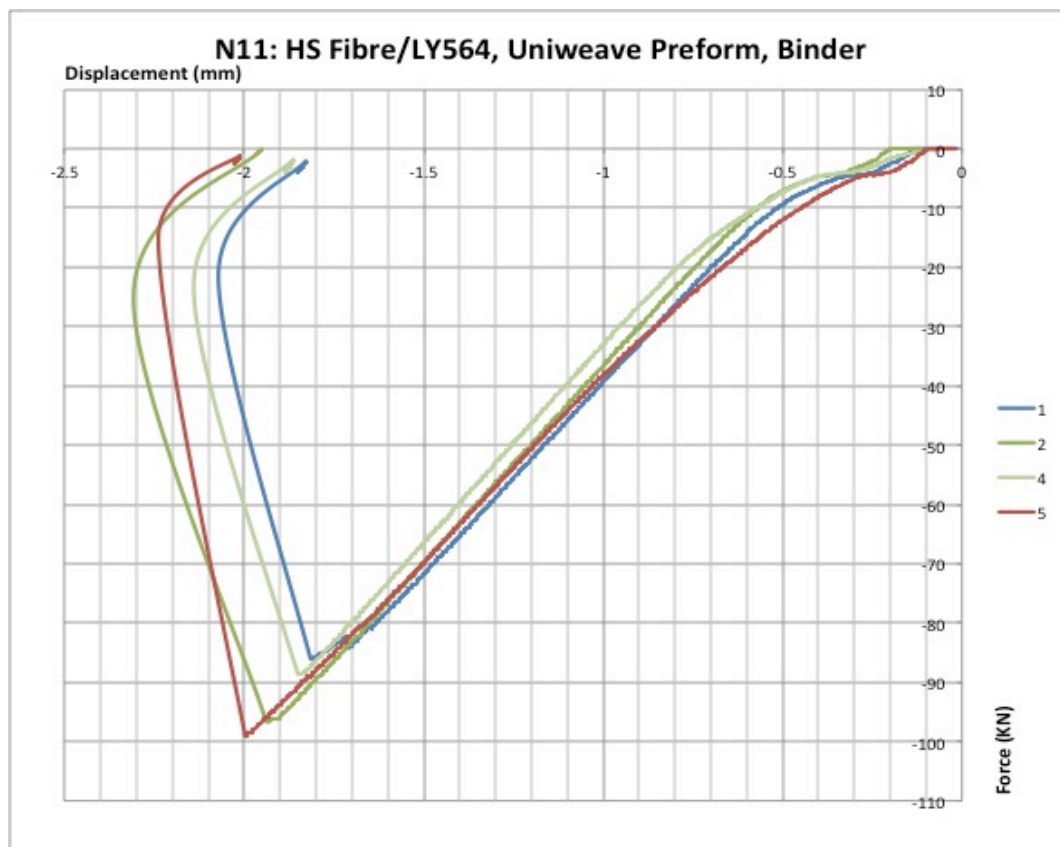


Figure 82 Compression After Impact Tests History of No.11

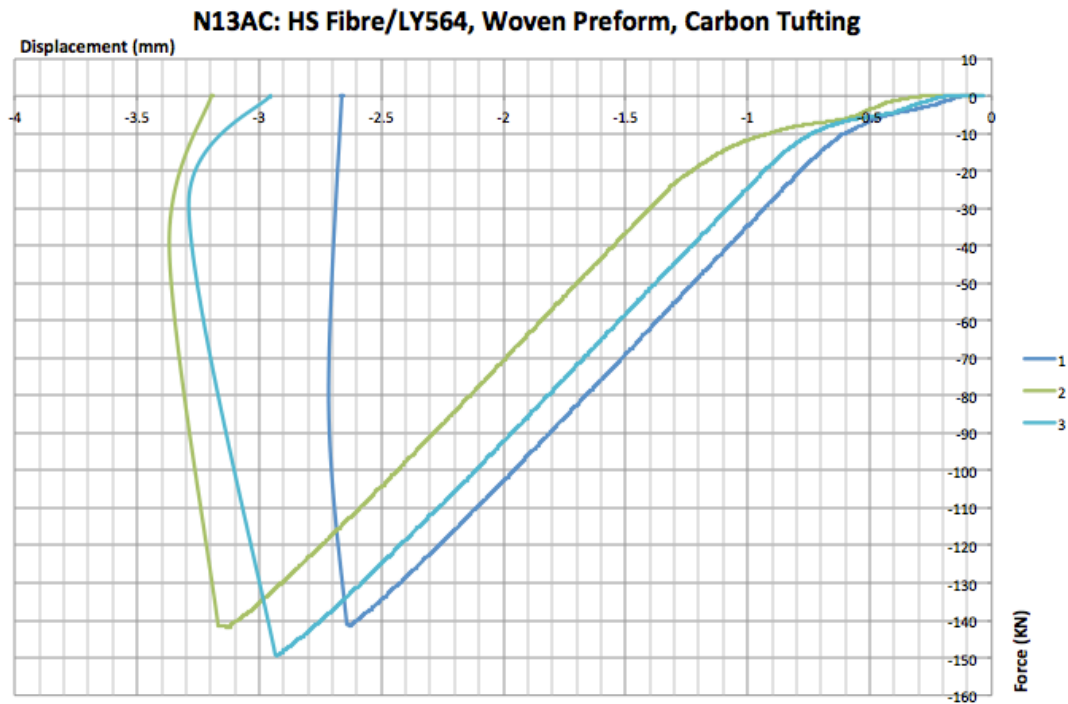


Figure 83 Compression After Impact Tests History of No.13AC

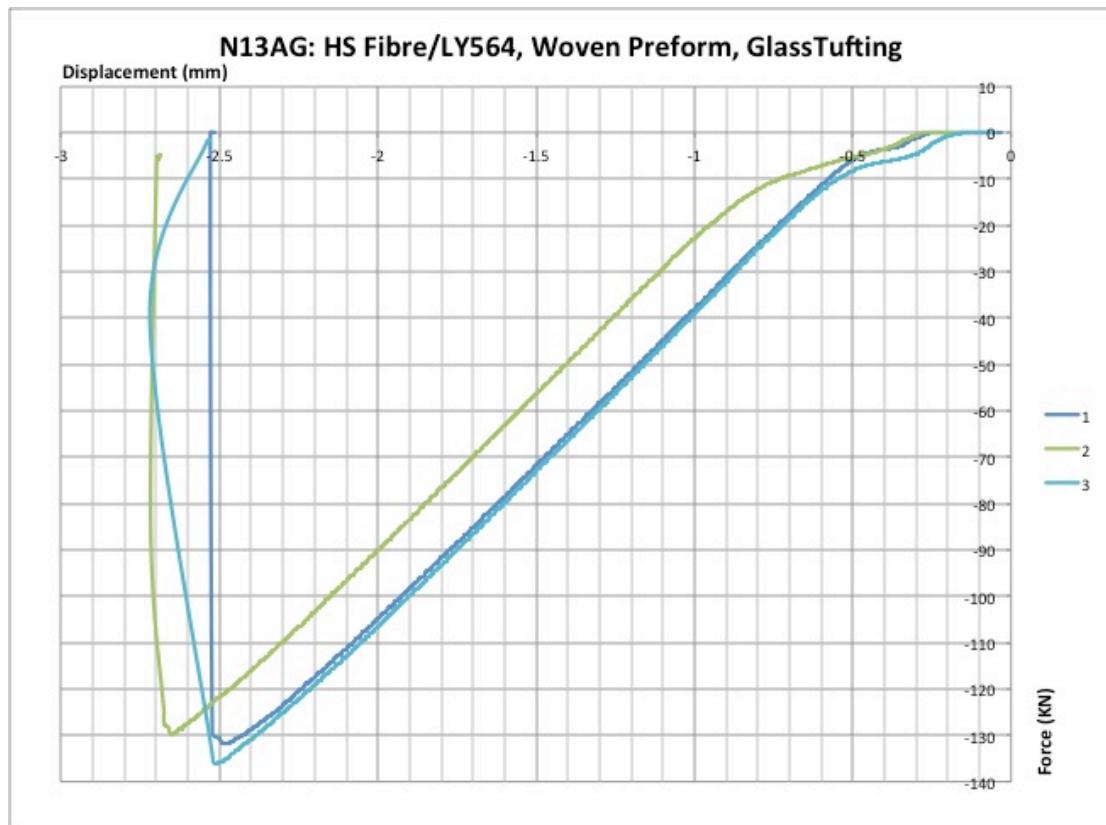


Figure 84 Compression After Impact Tests History of No.13AG

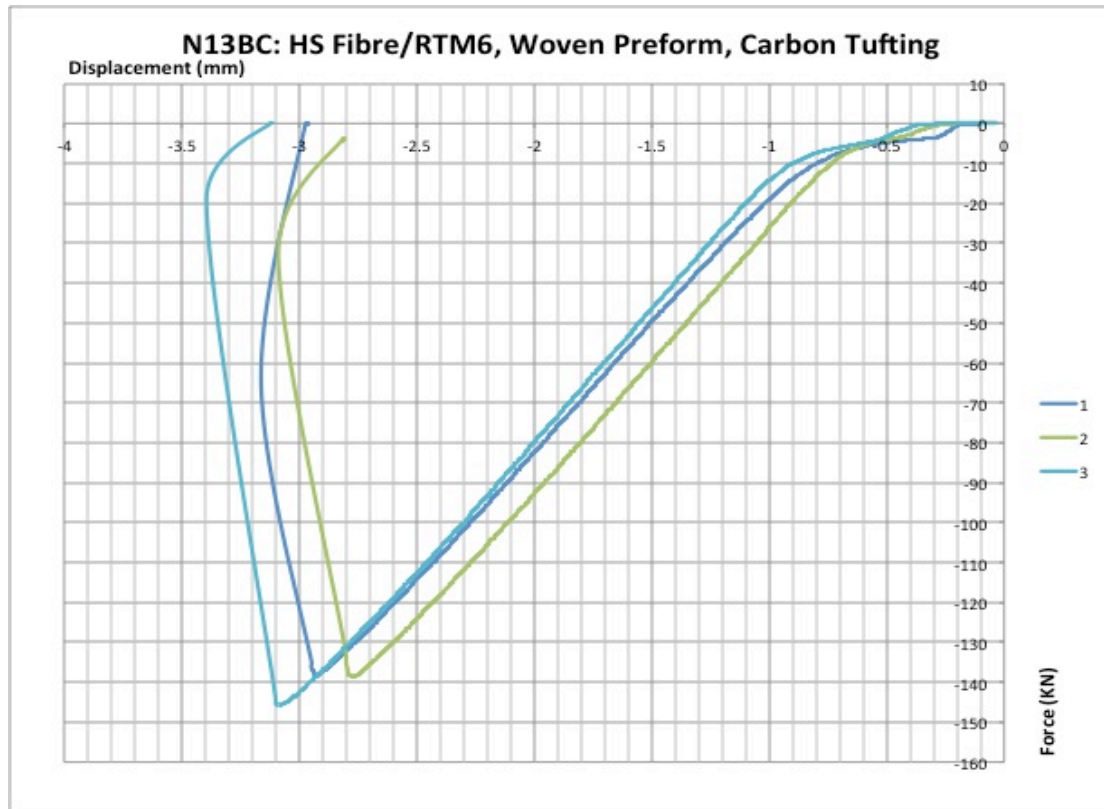


Figure 85 Compression After Impact Tests History of No.13BC

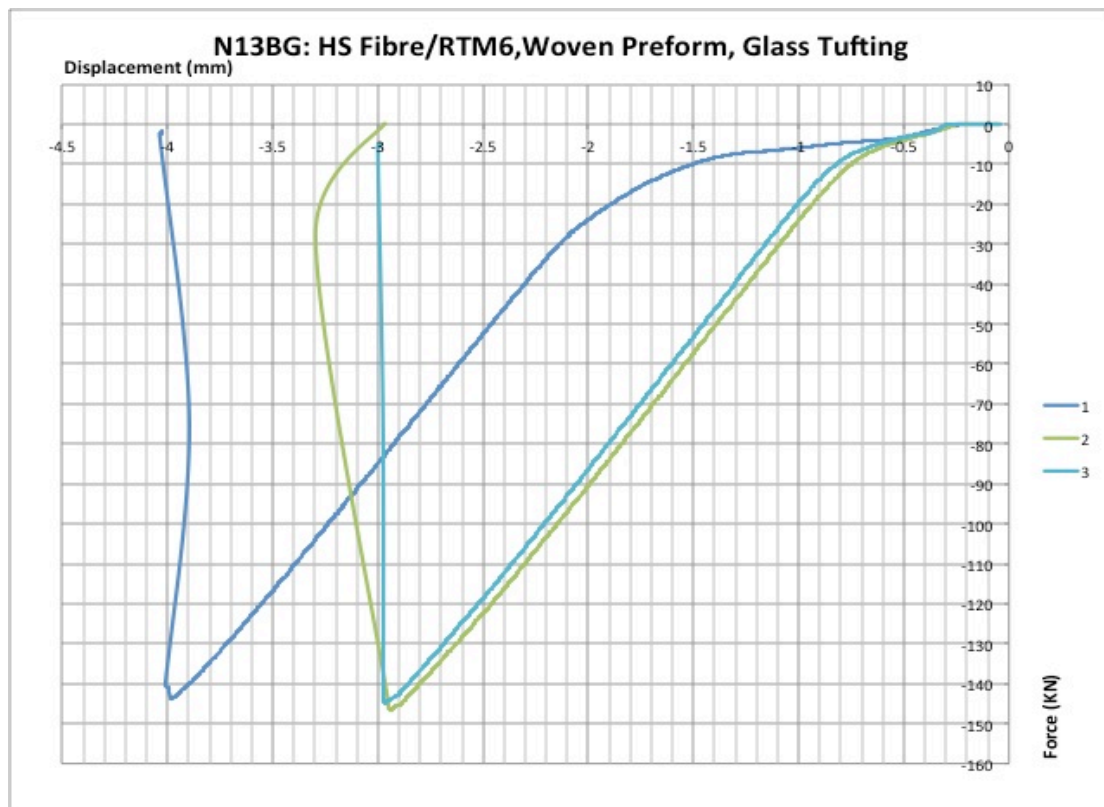


Figure 86 Compression After Impact Tests History of No.13BG

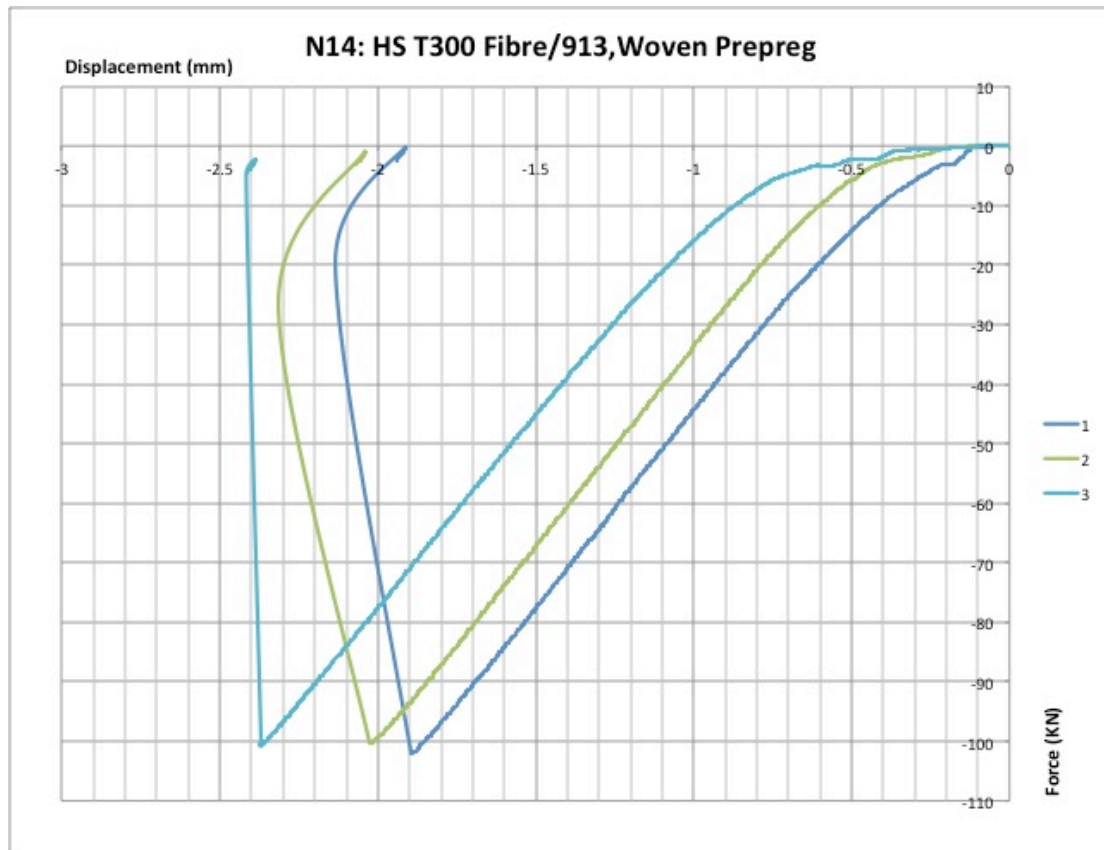


Figure 87 Compression After Impact Tests History of No.14

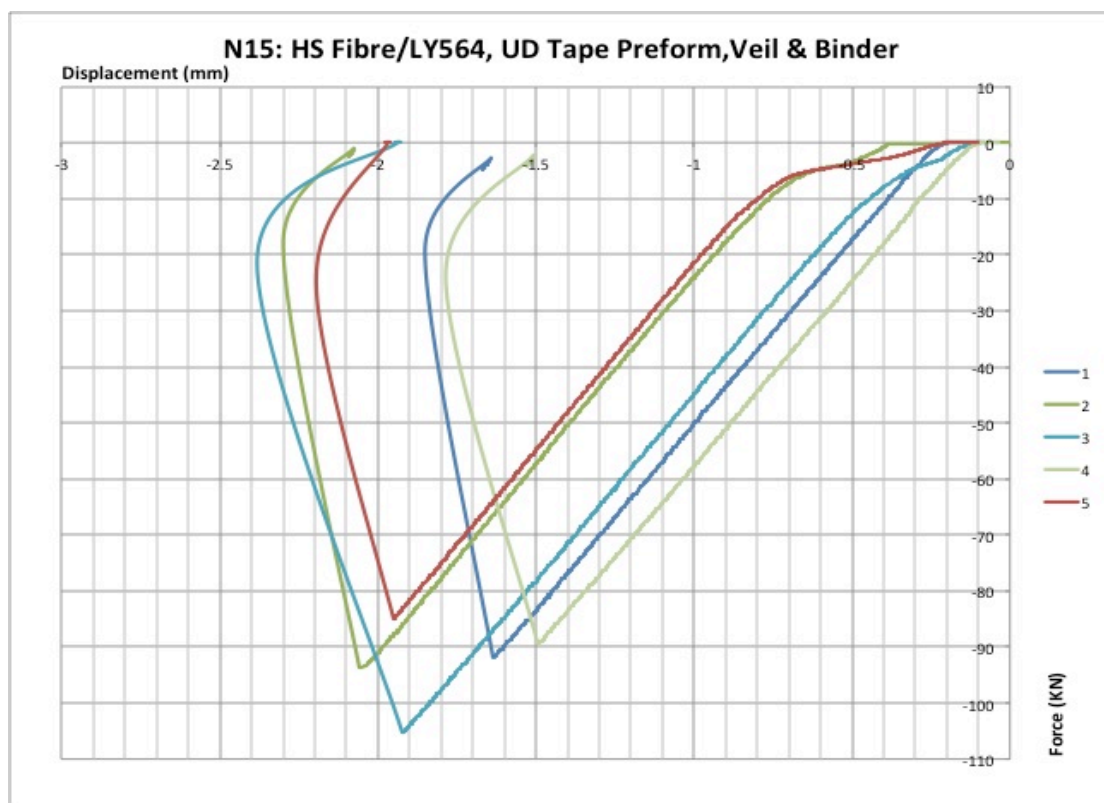


Figure 88 Compression After Impact Tests History of No.15

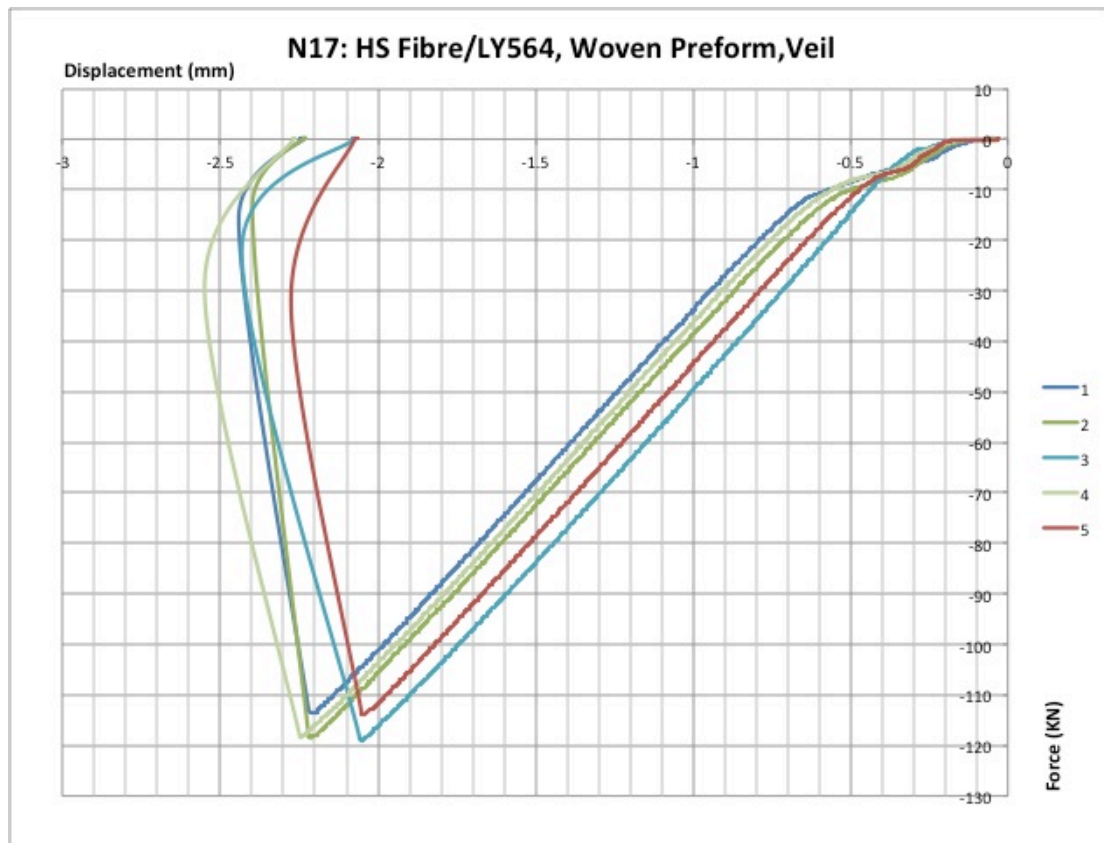


Figure 89 Compression After Impact Tests History of No.17

APPENDIX B—Micrograph and High Resolution Photograph

All the photographs in appendix B display the cross-sections through the impact centre of all the specimens.

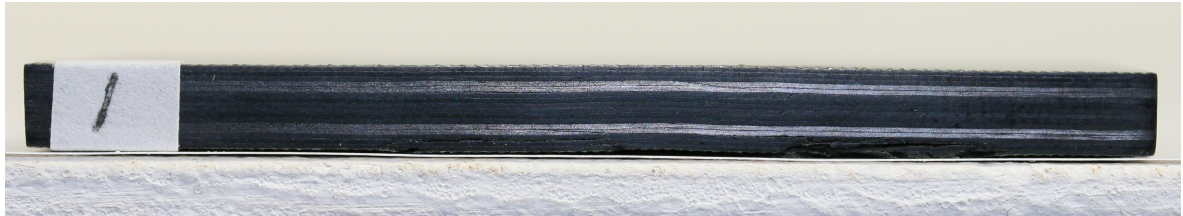


Figure 90 The cross-section of No.1 (T800/M21 UD Prepreg)



Figure 91 The cross-section of No.2 (T800/M21 Woven Prepreg)



Figure 92 The cross-section of No.3 (T700/M21 UD Prepreg)



Figure 93 The cross-section of No.4A (5HS woven preform/LY564)



Figure 94 The cross-section of No.4B (5HS woven preform/RTM6)



Figure 95 The cross-section of No.5 (5HS woven preform/3508)

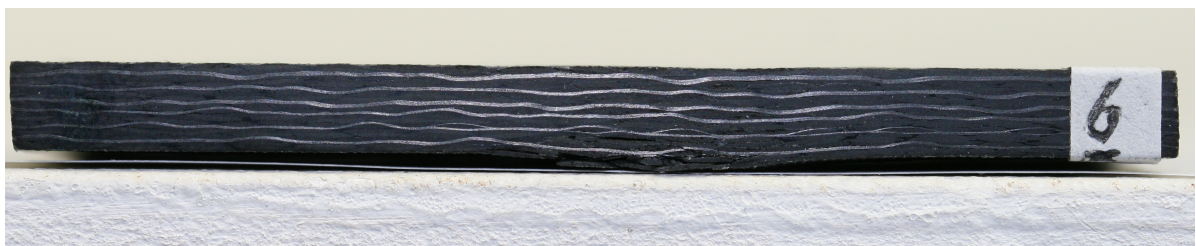


Figure 96 The cross-section of No.6 (5HS woven preform/LY564/veil)

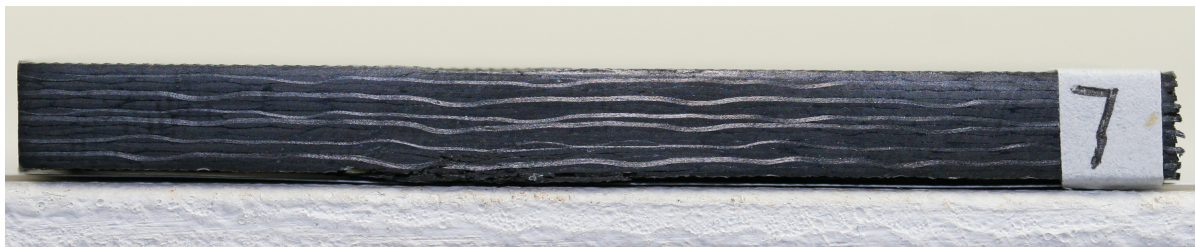


Figure 97 The cross-section of No.7 (5HS woven preform/LY564/veil)

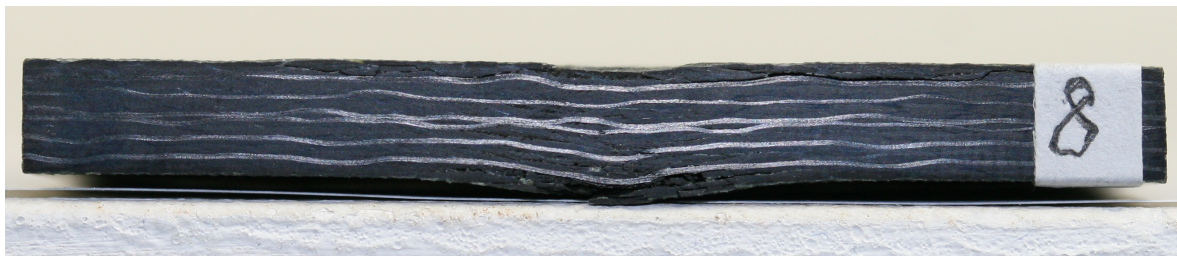


Figure 98 The cross-section of No.8 (5HS woven preform/binder/LY564)

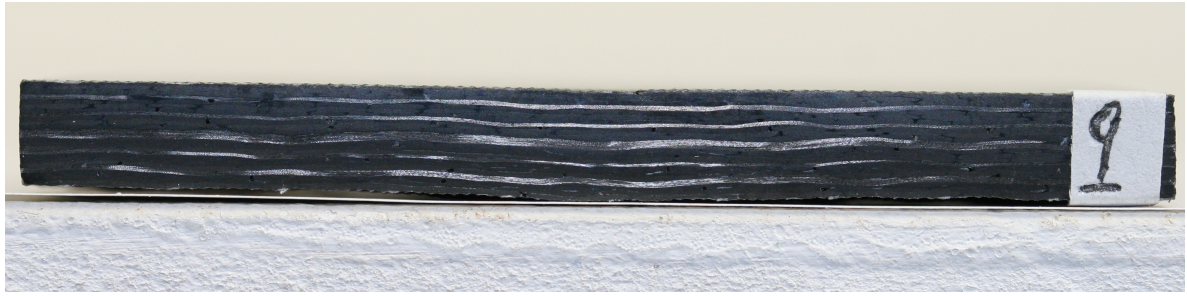


Figure 99 The cross-section of No.9 (NCF preform/LY564)

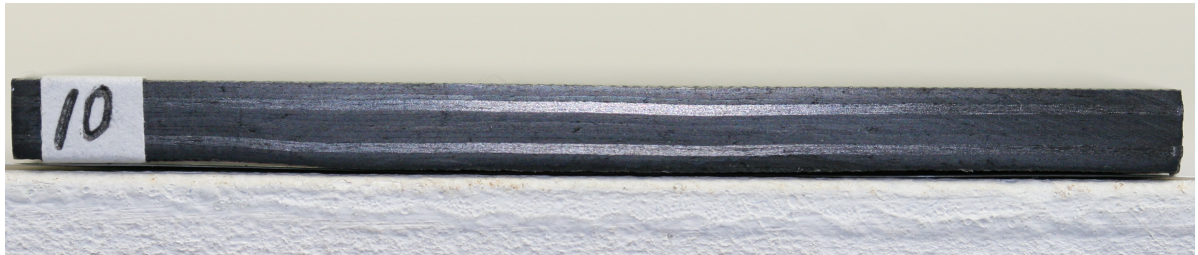


Figure 100 The cross-section of No.10 (UD preform/LY564/veil)



Figure 101 The cross-section of No.11 (uniweave preform/binder/LY564)



Figure 102 The cross-section of No.13AC (5HS woven preform/LY564/C-tuft)

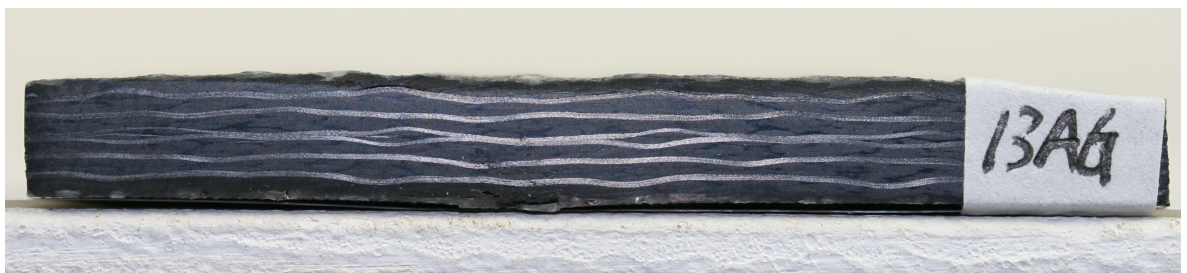


Figure 103 The cross-section of No.13AG (5HS woven preform/LY564/G-tuft)

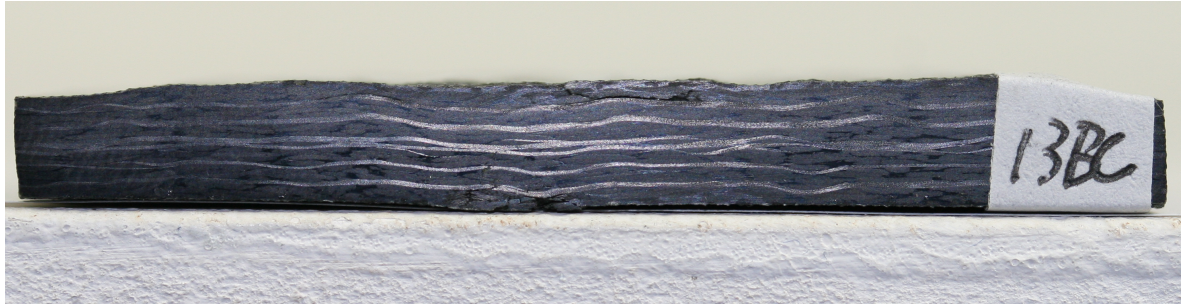


Figure 104 The cross-section of No.13BC (5HS woven preform/RTM6/C-tuft)

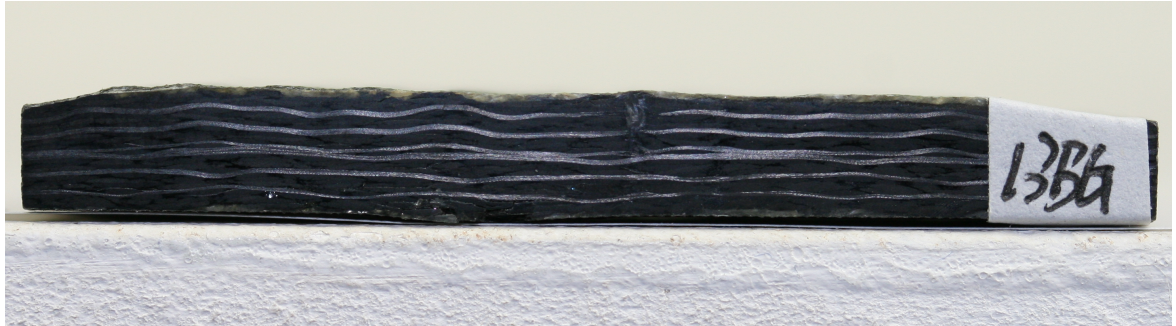


Figure 105 The cross-section of No.13BG (5HS woven preform/RTM6/G-tuft)



Figure 106 The cross-section of No.14 (T300/913 Woven Prepreg)

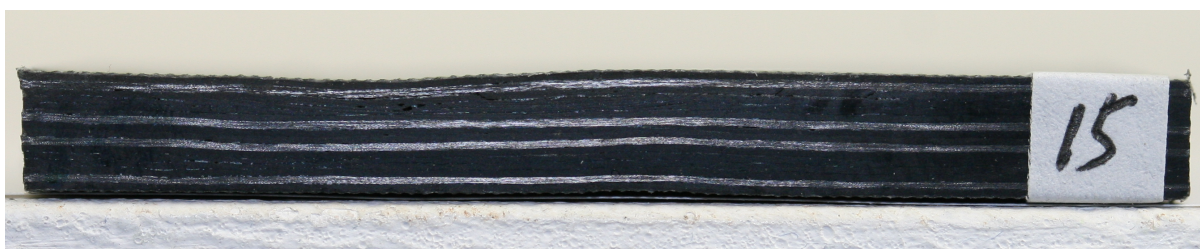


Figure 107 The cross-section of No.15 (UD preform/LY564/veil/binder)



Figure 108 The cross-section of No.17 (5HS woven preform/LY564/veil)

APPENDIX C—Micrograph and High Resolution Photograph



Figure 109 Sporadic, discontinuous, small voids inside of NCF/LY564 panel)

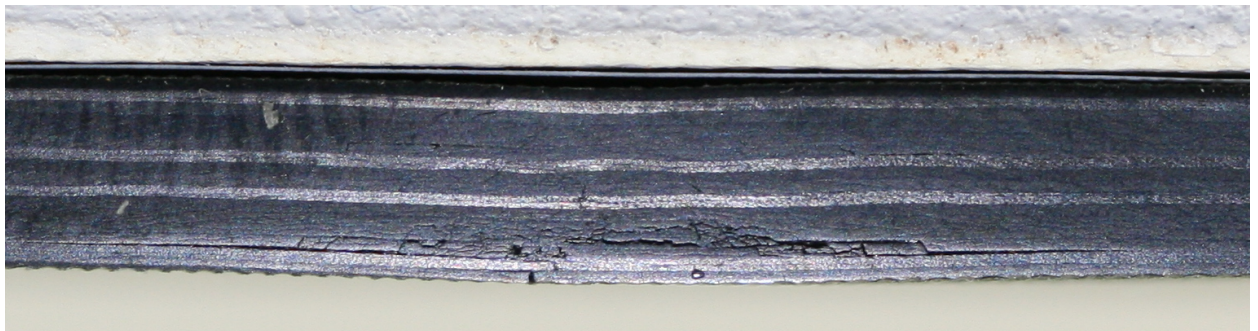


Figure 110 The close-up of the damage inside No.3 (T700/M21 UD Prepreg)



Figure 111 The close-up of the damage inside No.4B (5HS woven preform/RTM6)