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Attention: Robert Wright

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REPORT OF MECHANICAL TESTS

SAMPLE ID:

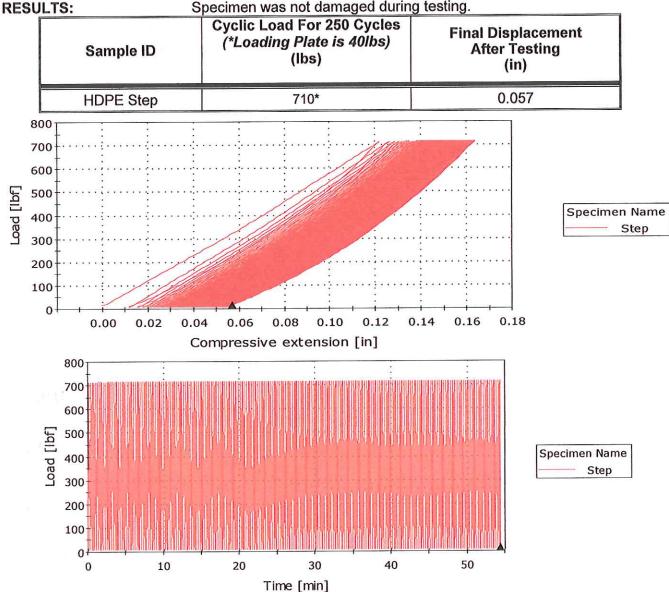
RC Imaging PN 20-2407-700 U-Arm Two Step Platform

SUBJECT

Cyclic Load of HDPE Step

METHOD: TEST INSTRUMENT: Per Client Provided Load Test Plan and Drawing Instron Model 5500R w/ Bluehill 3 Software

Specimen was not damaged during testing.





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REPORT OF MECHANICAL TESTS

SAMPLE ID:

RC Imaging PN 20-2407-700 U-Arm Two Step Platform

SUBJECT

Static Load of HDPE Step

METHOD:

Per Client Provided Load Test Plan and Drawing

Instron Model 5500R w/ Bluehill 3 Software **TEST INSTRUMENT:**

Specimen was not damaged during testing.

RESULTS: Static Load Final Displacement (*Loading Plate is 40lbs) After Testing Sample ID (lbs) (in) **HDPE Step** 1460* 0.120 1600 1400 1200 Load [Ibf] 1000 Specimen Name 800 Step 600 400 200 0.1 0.0 0.2 0.3 0.4 0.5 Compressive extension [in] 1600 1400 1200 1000 Load [Ibf] Specimen Name 800 Step 600 400 200 50 60 70 10 20 30 40 Time [s]





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REPORT OF MECHANICAL TESTS

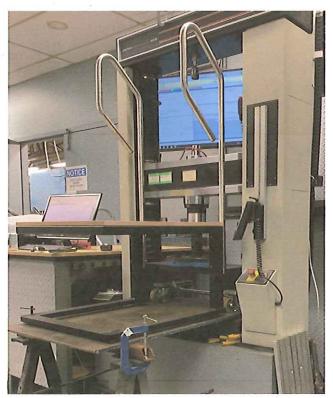




Figure 1: Test Setup For Step Load Tests

Figure 2: Test Setup For Step Load Tests





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REPORT OF MECHANICAL TESTS

SAMPLE ID:

RC Imaging PN 20-2407-700 U-Arm Two Step Platform

SUBJECT

Cyclic Load of Acrylic Platform

METHOD: TEST INSTRUMENT: Per Client Provided Load Test Plan and Drawing

Instron Model 5500R w/ Bluehill 3 Software Specimen was not damaged during testing.

RESULTS:

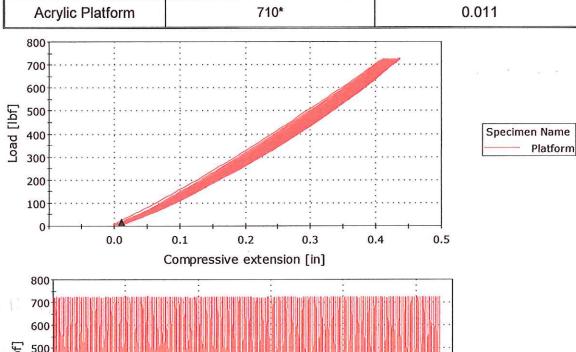
Sample ID

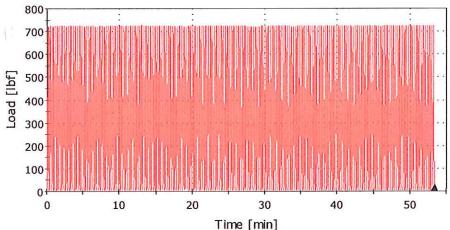
Cyclic Load For 250 Cycles
(*Loading Plate is 40lbs)
(lbs)

Final Displacement
After Testing
(in)

710*

0.011





Specimen Name
Platform





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REPORT OF MECHANICAL TESTS

SAMPLE ID:

RC Imaging PN 20-2407-700 U-Arm Two Step Platform

SUBJECT

Static Load of Acrylic Platform

METHOD:

Per Client Provided Load Test Plan and Drawing

TEST INSTRUMENT:

Instron Model 5500R w/ Bluehill 3 Software

RESULTS:

Specimen was not damaged during testing. Static Load **Final Displacement** (*Loading Plate is 40lbs) After Testing Sample ID (lbs) (in) Acrylic Platform 1460* 0.059 1600 1400 1200 1000 Specimen Name 800 Platform 600 400 200 0.0 0.1 0.3 0.5 0.7 0.8 0.9 Compressive extension [in] 1600 1400 1200 Load [lbf] 1000 Specimen Name 800 Platform 600 400 200 0



0

10

20

30

60

70

80

50

40

Time [s]

90



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REPORT OF MECHANICAL TESTS

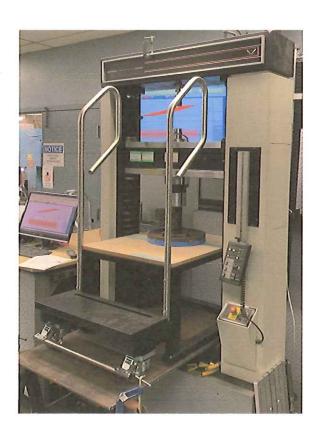




Figure 3: Test Setup For Platform Load Tests Figure 4: Test Setup For Platform Load Tests

KS/ks

Kart/Schmitz, Director Materials Testing

