Materials List for:

A Testing Platform for Durability Studies of Polymers and Fiber-reinforced Polymer Composites under Concurrent Hygrothermo-mechanical Stimuli

Antonio Gomez¹, Robert Pires¹, Alyssa Yambao¹, Valeria La Saponara¹

¹Department of Mechanical and Aerospace Engineering, University of California, Davis

Correspondence to: Valeria La Saponara at vlasaponara@ucdavis.edu

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<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>Catalog Number</th>
<th>Comments</th>
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<tbody>
<tr>
<td>Aluminum 6061 rectangular bars</td>
<td>McMaster-Carr, USA</td>
<td>8975K268, 1668T72, 7062T17,</td>
<td>Part of testing platform</td>
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<tr>
<td>Aluminum 6061 90° angles</td>
<td>McMaster-Carr, USA</td>
<td>8982K91, 8982K14</td>
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<td>440C stainless steel</td>
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<tr>
<td>High-density polyethylene sheets</td>
<td>Tap Plastics, USA</td>
<td>N/A (0.236 in. thick x 10.75 in. wide x 16.75 in. long)</td>
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<tr>
<td>High-density polyethylene sheets</td>
<td>Tap Plastics, USA</td>
<td>N/A (0.354 in. thick x 6 in. wide x 10 in. long)</td>
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<tr>
<td>High-density polyethylene sheets</td>
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<td>Polycarbonate sheets</td>
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<td>Expanded polystyrene foam</td>
<td>Home Depot</td>
<td>Model # 310880 Internet # 202532855</td>
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<td>Galvanized steel rope</td>
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<td>Steel eye bolt</td>
<td>McMaster-Carr, USA</td>
<td>3013T341</td>
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<td>Low-carbon steel 90° angle</td>
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<td>Low-carbon steel rods</td>
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<td>Low-carbon steel tubes</td>
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<td>304 stainless steel U-bolt</td>
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<td>Steel pulley</td>
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<td>1008 carbon steel sheets</td>
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<td>Light duty swivel casters</td>
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<td>100-lbf Vinyl Weight Set</td>
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<td>Closed-cell polyurethane foam</td>
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<td>Faucet, PurLab filtering system</td>
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<td>Conditioning fluid of tank</td>
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<td>Torsional spring</td>
<td>Retractable Key Clip, Ebay, USA</td>
<td>Lot 10</td>
<td>Used to build string potentiometer</td>
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<td>Kevlar thread</td>
<td>Cabela’s</td>
<td>IK-321909</td>
<td>Used to build string potentiometer</td>
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<tr>
<td>10 kOhm potentiometer</td>
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<td>Used to build string potentiometer</td>
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<tr>
<td>Digital multimeter</td>
<td>Harbor Freight, USA</td>
<td>98674</td>
<td>Used to take resistance measurements of string potentiometer</td>
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</tbody>
</table>