

**2<sup>nd</sup> FAA Workshop on Material Control**  
**Group discussion worksheet**  
**COMMENTS and CONCERNS**  
**Fabric Document**

RAW MATERIAL	
<b>CURE SYSTEM</b> Accelerator Catalyst/Initiator Inhibitors Promoters Additional Constituents	Table 5A should be fixed as I indicated in the LRM document to reflect 00/47. If reduction of tests is desired, test only
<b>FIBERS</b> Chemical Sizing Fiber (length, diameter, count, type) Twist Weight	RT warp tension/compression.
<b>FILLERS</b> Particle size Type Volume	See 5.6.2 change equivalence data base to extended data base.
<b>RESIN</b> Glass Transition Mechanical Properties Specific Gravity Volume	It is not clear what tests are to be performed for additional bottles, gear or acceptance.
<b>MAT/FABRIC</b> Stitch Weave Weight	Eliminate open hole compression as an incoming or equivalence test.
<b>PACKAGING</b> Bagging Material Core Peel Ply Roll Size Thawing	(I can't find it where it is in the text.) <span style="float: right;">(how many specimens)</span>
<b>TRANSPORTATION</b> Environment	Flow chart as to what is to be tested from batch 1 to batch 30.
UNCURED MATERIAL PROPERTIES	
Bonding Finish Treatment Fiber Content Flow Gel Oxidation Resistance Resin Content Visual Inspection Weight Volatiles	

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CURED MATERIAL PROPERTIES	
Compression Creep Environmental Exposure (heat, freeze/thaw) Fiber Content Flexure Fluid Resistance Fire Resistance Impact Resistance Shear Space Application (microcracking, outgassing) Tensile Tests Thermal	<i>To</i>
TEST COUPON FABRICATION	
Conditioning Lay Up Machining Tabbings Testing Temperatures	
QUALITY REQUIREMENTS	
Environment Equipment Export Control Inspection Methods Key Characteristics Laboratory Controls Material Identification Personnel Records Storage of Material/Parts Testing, Batch Acceptance Testing, Qualification, Test Reports Tooling Training	
OTHER THOUGHTS	

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RAW MATERIAL	
CURE SYSTEM	<p>Fix Fig. 1.1</p> <pre> graph TD     Resin[Resin] --- Other[Other Included Items Reception/Storage]     Fiber[Fiber] --- Other     Part[Part] --- Other           </pre>
FIBERS	
FILLERS	Table 8 should be modified to reflect 00/47. If reduction
RESIN	of tests is desired do only RT WARP TENSION and compression
MAT/FABRIC AND PREFORMS	Page 23 Fatigue is more important in
PACKAGING	braided structures as more rubbing between fibers has been observed.
TRANSPORTATION	
UNCURED MATERIAL PROPERTIES	
Raw Material Producer	
Manufacturer	

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CURED MATERIAL AND PART PROPERTIES	
Compression Creep Environmental Exposure (heat, freeze/thaw) Fiber Content Flexure Fluid Resistance Fire Resistance Impact Resistance Shear Space Application (microcracking, outgassing) Tensile Tests Thermal	
TEST COUPON TECHNIQUES AND FABRICATION	
Conditioning Lay Up Production Sequence Machining & Tapping Testing Temperatures	
QUALITY REQUIREMENTS	
Environment Equipment Export Control Inspection Methods Key Characteristics Laboratory Controls Material Identification Personnel Records Storage of Material/Parts Testing, Batch Acceptance Testing, Qualification, Test Reports Tooling Training	
OTHER THOUGHTS	
<p><i>Appendix A</i>            3.2 <i>Req. Materials</i> instead of "approved specific"            should say materials <del>and that</del> given specifications</p>	

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