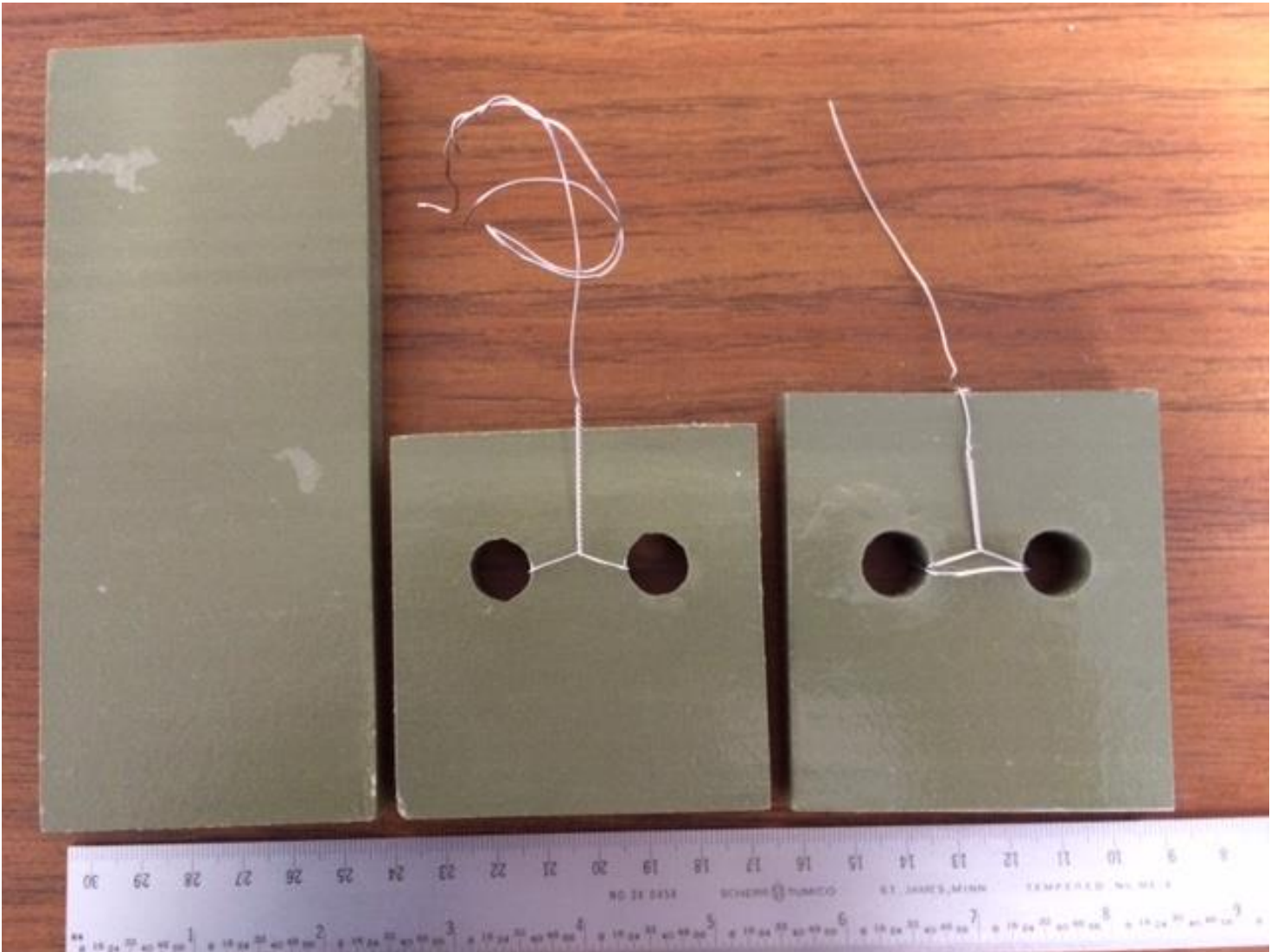


## FRP Test

**Sample A** (polyurethane coating sprayed)      **3/28/2017 – 3/30/2017**

**Sample B** (polyurethane coating painted)      **4/11/2017 – 4/13/2017**

**Sample C** (polyurethane coating painted, some delamination)      **4/17/2017 – 4/19/2017**

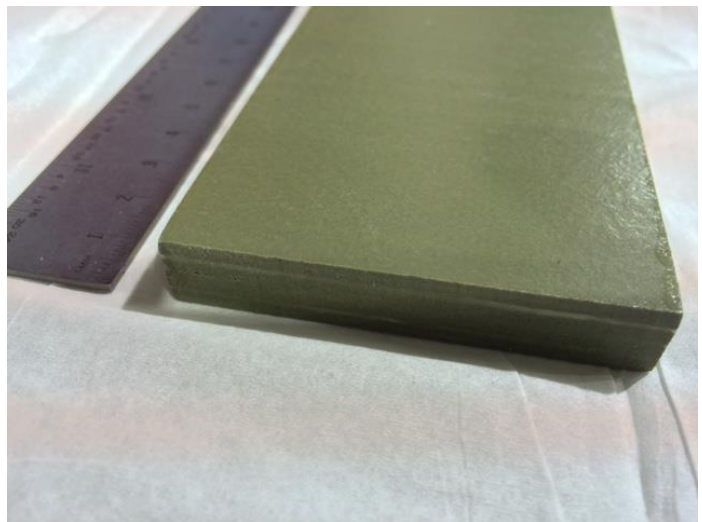
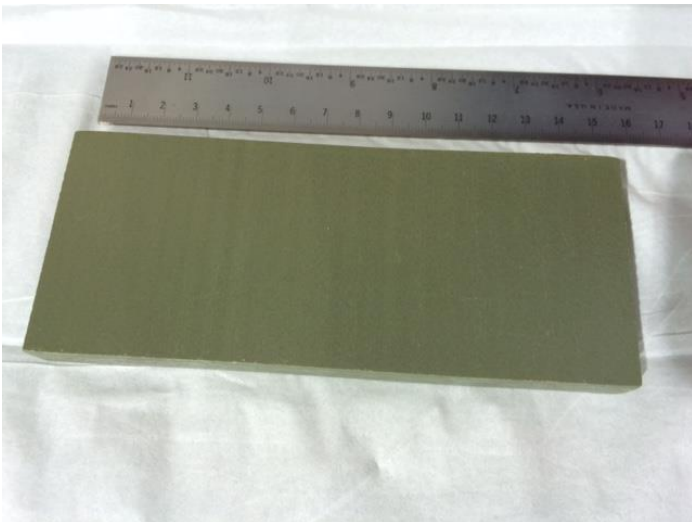


**Sample A**

**Sample B**

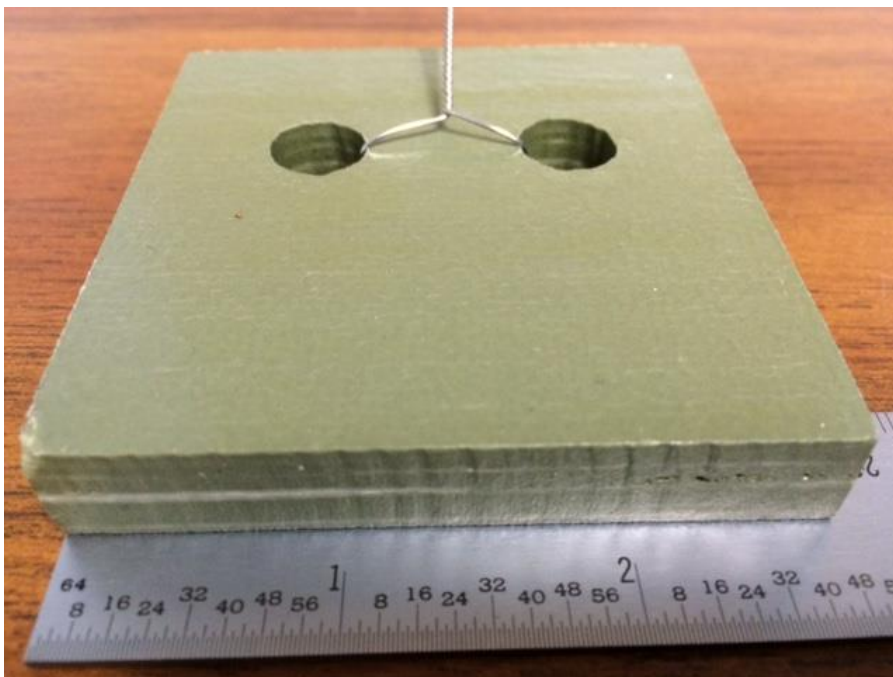
**Sample C**

<b>PAB Materials Test System</b>	
<b>Date of Receipt</b>	4/17/17 , logbook entry # 5836
<b>Sample Name/Description</b>	FRP plate with polyurethane coating sprayed
<b>Sample A</b>	
<b>Composition:</b>	Fiber-reinforced plastic, polyurethane
<b>Picture Location:</b>	data base
<b>Weight:</b>	~218 g
<b>Dimensions/Area:</b>	~ 2.5 x 6.0 x 0.5 inches
<b>Source:</b>	Thomas Kutter
<b>Preparation:</b>	x
<b>Time in the airlock(hrs)</b>	
<b>Vacuum:</b>	22 hours
<b>Purge</b>	5 hours with gas Argon from Luke
<b>Liquid Test</b>	
<b>Start Time/Date, End Time/Date :</b>	3/29/2017 2:15 pm, 3/30/2017 2:45 pm
<b>PrM run # :</b>	x
<b>Condenser state:</b>	on
<b>Filter state/settings:</b>	off
<b>H2O reading:</b>	4.5 - 5.5 ppb
<b>Temperature:</b>	95 K
<b>Liquid Level</b>	23.5 - 23.1 inches
<b>Lifetime:</b>	4 ms



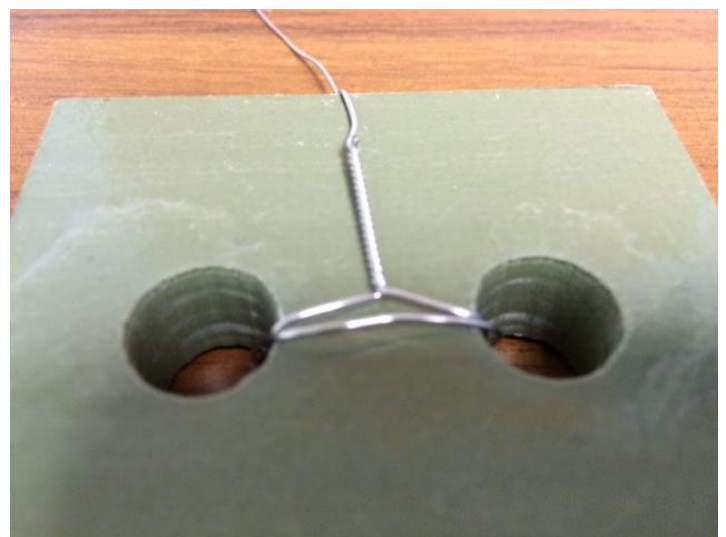
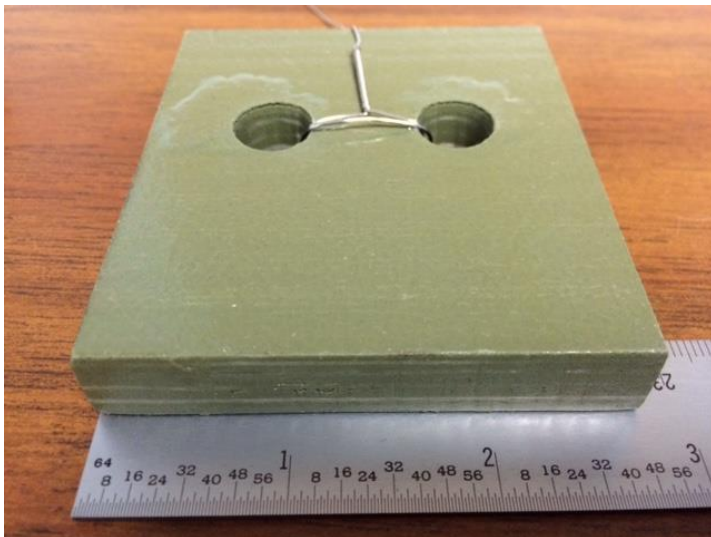
**Sample A**

<b><i>PAB Materials Test System</i></b>	
<b>Date of Receipt</b>	4/24/17 , logbook entry # 5862
<b>Sample Name/Description</b>	FRP plate with polyurethane coating painted
<b>Sample B</b>	
<b>Composition:</b>	Fiber-reinforced plastic, polyurethane
<b>Picture Location:</b>	data base
<b>Weight:</b>	~109 g
<b>Dimensions/Area:</b>	~ 2.8 x 2.75 x 0.5 inches
<b>Source:</b>	Thomas Kutter
<b>Preparation:</b>	x
<b>Time in the airlock(hrs)</b>	
<b>Vacuum:</b>	10 min
<b>Purge</b>	22.5 hours with gas Argon from Luke
<b>Liquid Test</b>	
<b>Start Time/Date, End Time/Date :</b>	4/12/2017 1:40 pm, 4/13/2017 4 pm
<b>PrM run # :</b>	x
<b>Condenser state:</b>	on
<b>Filter state/settings:</b>	off
<b>H2O reading:</b>	3.5 ppb
<b>Temperature:</b>	95 K
<b>Liquid Level</b>	24.2 - 23.8 inches
<b>Lifetime:</b>	5 ms



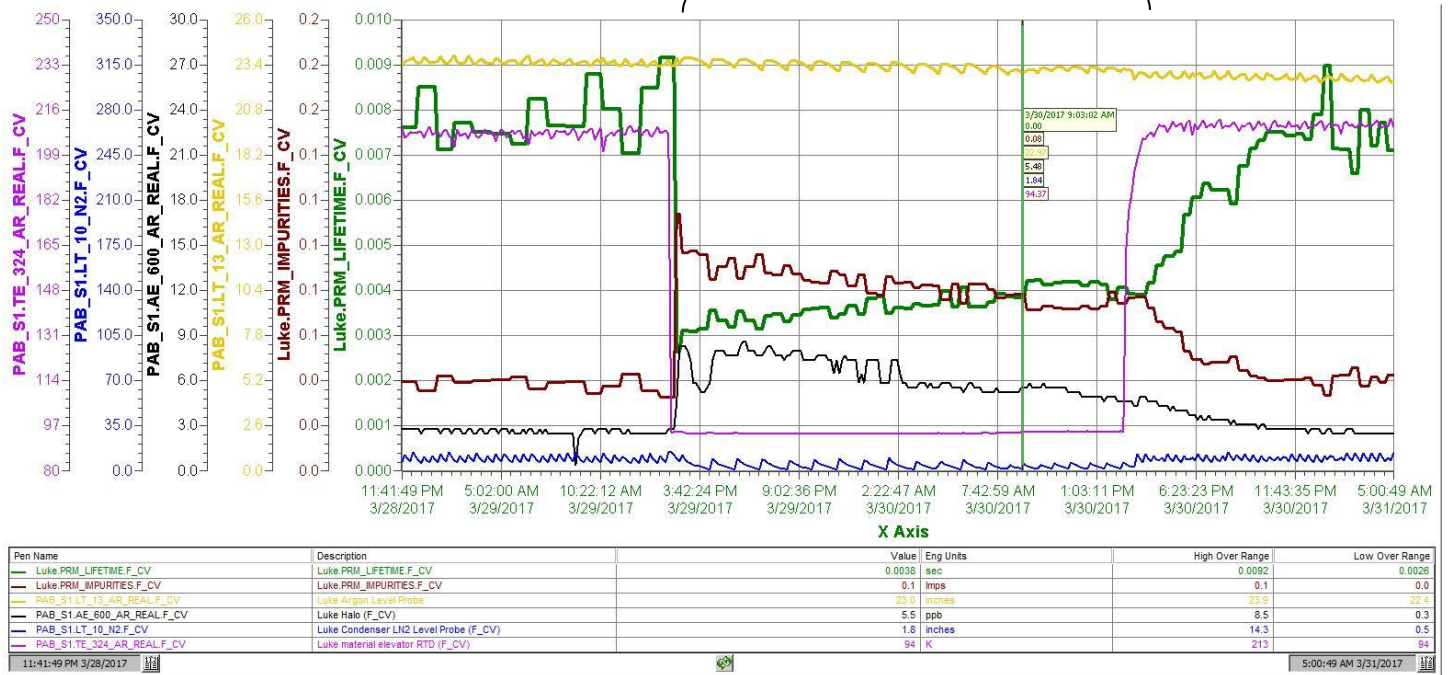
**Sample B**

<b>PAB Materials Test System</b>	
<b>Date of Receipt</b>	4/24/17 , logbook entry # 5869
<b>Sample Name/Description</b>	FRP plate with polyurethane coating painted and some delamination
<b>Sample C</b>	
<b>Composition:</b>	Fiber-reinforced plastic, polyurethane
<b>Picture Location:</b>	data base
<b>Weight:</b>	~119.8 g
<b>Dimensions/Area:</b>	~ 3.125 x 2.75 x 0.5 inches
<b>Source:</b>	Thomas Kutter
<b>Preparation:</b>	x
<b>Time in the airlock(hrs)</b>	
<b>Vacuum:</b>	10 min
<b>Purge</b>	24 hours with gas Argon from Luke
<b>Liquid Test</b>	
<b>Start Time/Date, End Time/Date :</b>	4/18/2017 9:40 am, 4/19/2017 3 pm
<b>PrM run # :</b>	x
<b>Condenser state:</b>	on
<b>Filter state/settings:</b>	off
<b>H2O reading:</b>	~ 40 ppb
<b>Temperature:</b>	95 K
<b>Liquid Level</b>	21.1 - 20.7 inches
<b>Lifetime:</b>	~3 ms



**Sample C**

## Liquid test Sample A



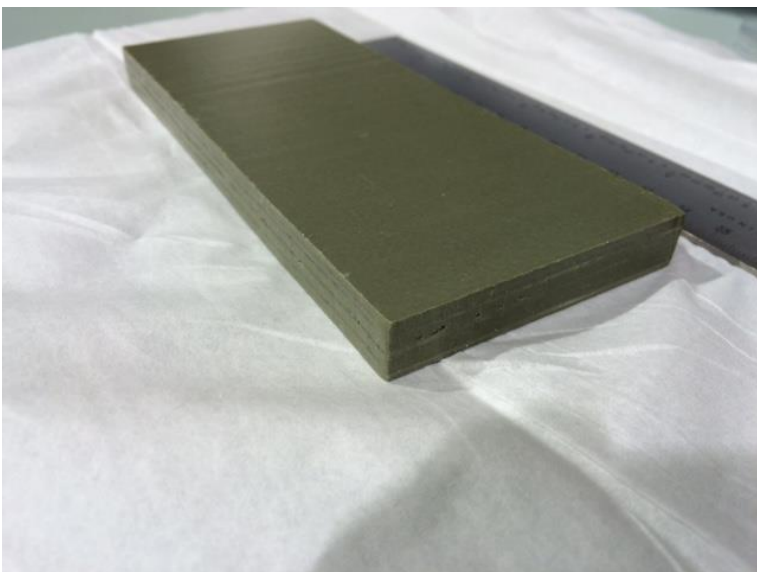
Lifetime – green pen

Impurities – brown pen

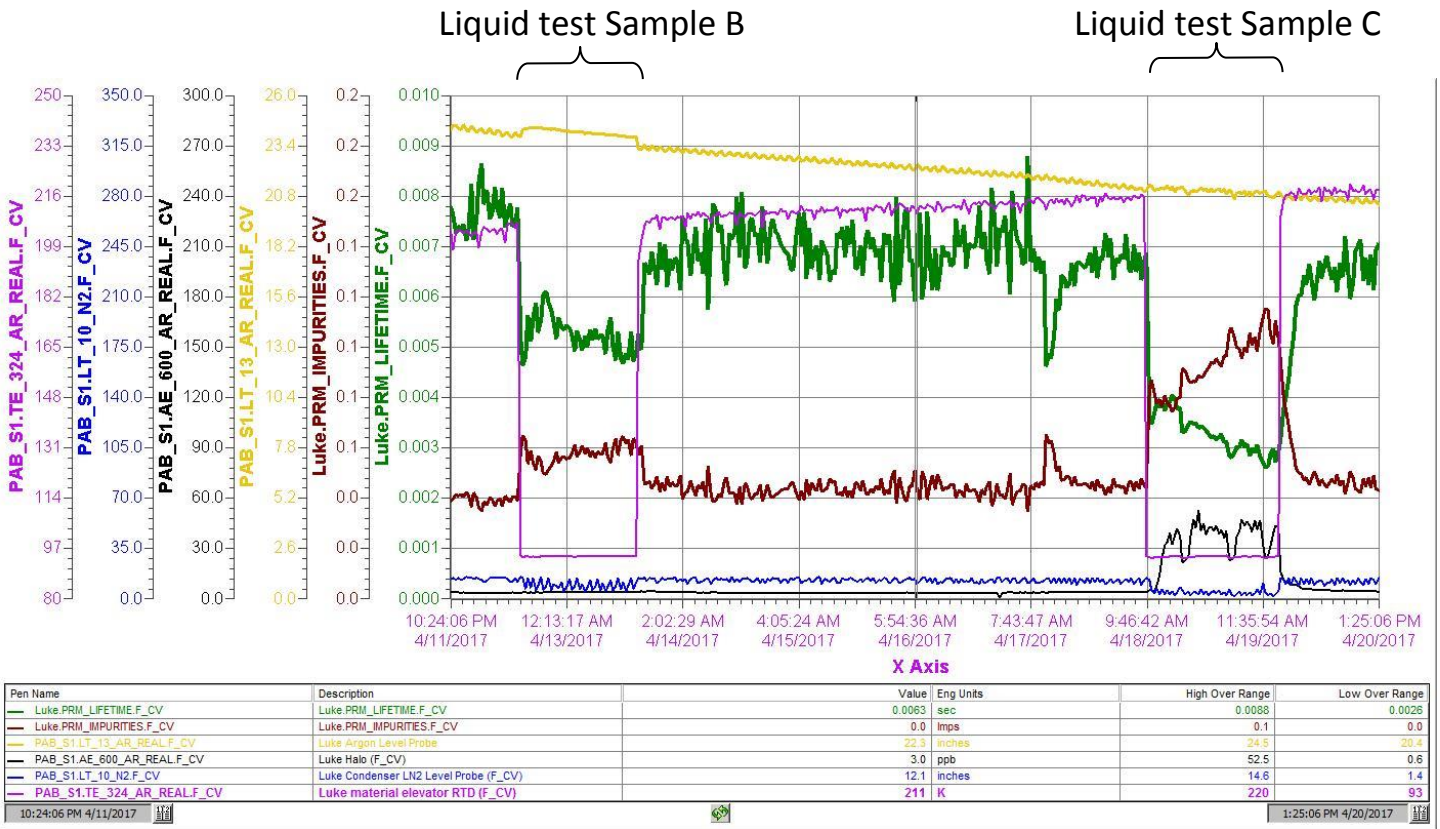
Liquid level – yellow pen

Water – black pen

Temperature – magenta pen



Sample A



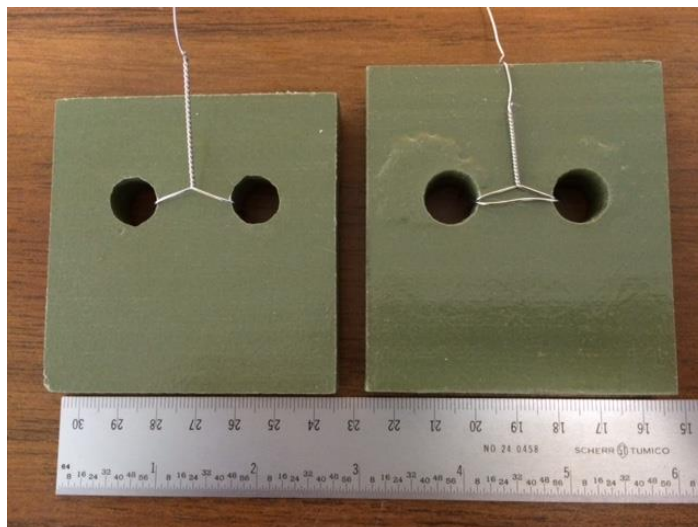
Lifetime – green pen

Impurities – brown pen

Liquid level – yellow pen

Water – black pen

Temperature –magenta pen



Samples B and C

