

1 mil Kapton Tape Test 12/7/2016 – 12/19/2016

<i>PAB Materials Test System</i>	
Date of Receipt	12/21/16 , logbook entry # 5593
Sample Name/Description	Dupont Kapton 1 mil Film with 1 mil silicone adhesive
Sample	
Composition:	
Picture Location:	data base
Weight:	
Dimensions/Area:	12.5 mm wide and 3 m long sample
Source:	Kenneth Sexton
Preparation:	double-back the tape upon itself, so it's glue-to-glue
Submerging in LN2	after few hours - air bubbles between 2 layers of tape
Time in the airlock(hrs)	
Vacuum:	10 min
Purge	24 hours with gas Argon from Luke
Liquid Test	
Start Time/Date, End Time/Date :	12/8/2016 4:56 pm, 12/13/2016 6:40 am
PrM run # :	x
Condenser state:	on
Filter state/settings:	off
H2O reading:	3.3 ppb
Temperature:	95 K
Liquid Level	24.5 - 23.6 inches
Lifetime:	4.1 ms
VaporTest	
Start Time/Date, End Time/Date :	12/13/2016 5:23 pm, 12/15/2016 6:41 am
PrM run # :	x
Condenser state:	on
Filter state/settings:	off
H2O reading:	3.34 ppb
Temperature:	204-207 K
Liquid Level	23.5 - 22.9
Lifetime:	3.4 - 4 ms
Room Temperature Test	
Start Time/Date, End Time/Date :	12/16/2016 7:00 am, 12/19/2016 10:30 am
PrM run # :	x
Condenser state:	on
Filter state/settings:	off
H2O reading:	16.5 ppb
Temperature:	warm
Liquid Level	22.8 - 21.2 inches
Lifetime:	2 ms



1 mil Tape

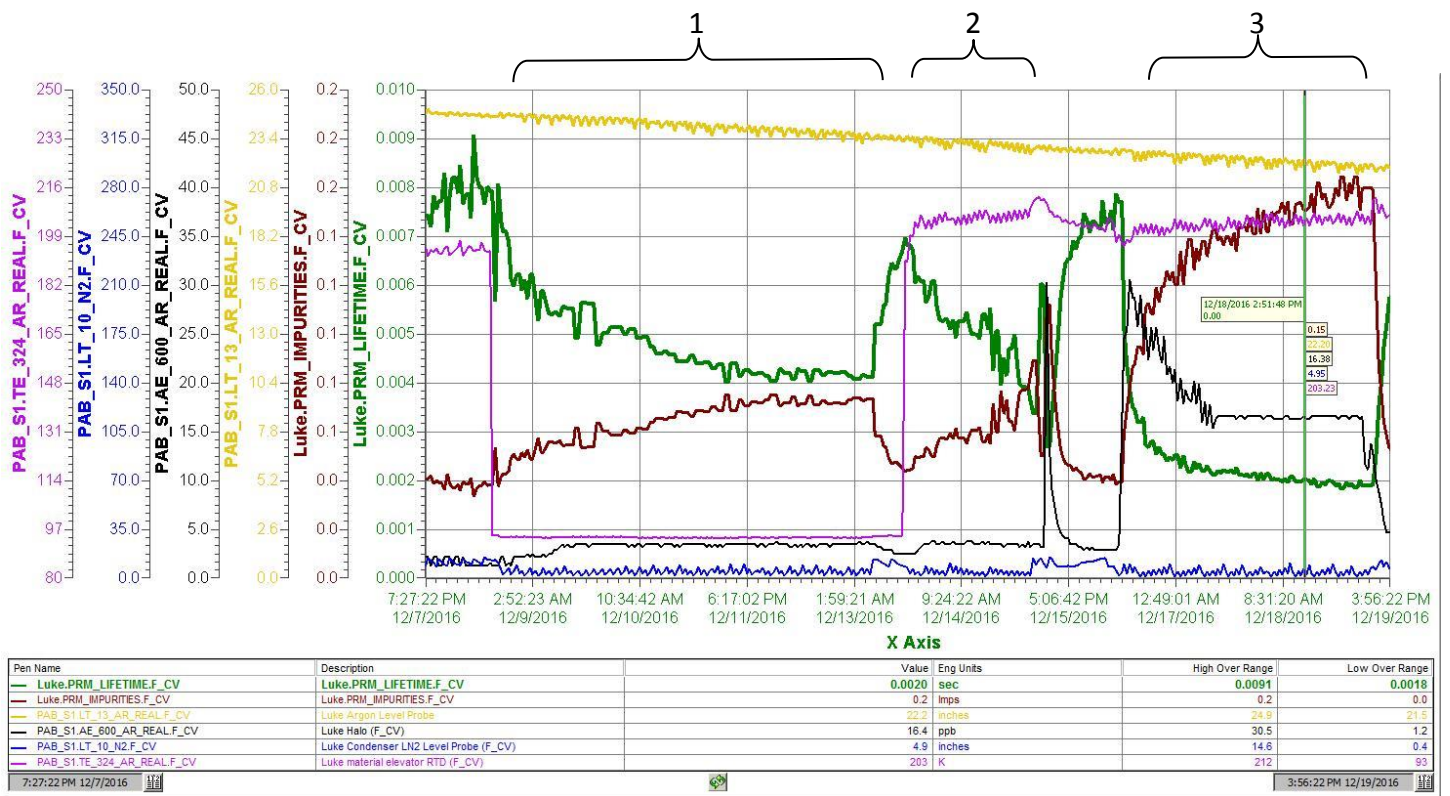


2 mil and 1 mil Tape

1. Liquid Test

2. Vapor test

3. Room Temperature test



Lifetime – green pen

Impurities – brown pen

Liquid level – yellow pen

Water – black pen

Temperature – magenta pen

