

<b>PAB Materials Test System</b>	
<b>Date of Receipt</b>	4/1/15 , logbook entries# 5087 - 5096
<b>Sample Name/Description</b>	30 Awg wire with PFA insulation <a href="http://www2.dupont.com/Teflon_Industrial/en_US/products/product_by_name/teflon_pfa/">http://www2.dupont.com/Teflon_Industrial/en_US/products/product_by_name/teflon_pfa/</a>
<b>Sample</b>	
<b>Composition:</b>	Teflon® PFA is a perfluoroalkoxy copolymer resin
<b>Picture Location:</b>	data base
<b>Weight:</b>	72.2 g
<b>Dimensions/Area:</b>	(picture), wire dia = 0.255 mm, wire+insulation dia =0.9 mm
<b>Source:</b>	Hucheng Chen, Bo Yu
<b>Preparation:</b>	no cleaning requested
<b>Submerging in LAr or LH2</b>	x
<b>Time in the airlock(hrs)</b>	
<b>Purge:</b>	24 h from the bottle and 2 h from Luke
<b>Vacuum:</b>	3 min after closing airlock
<b>Room Temperature</b>	
<b>Start Time/Date, End Time/Date :</b>	3/13/2015 12:40 PM, 3/16/2015 2:45 PM
<b>PrM run # :</b>	23690
<b>Condenser state:</b>	on
<b>Filter state:</b>	off
<b>H2O reading:</b>	3 ppb to 17.9 ppb
<b>Lifetime:</b>	after turning internal filter OFF lifetime slowly decreased from >6 ms and stabilized at 2.5 - 3.5 ms
<b>Liquid Test</b>	
<b>Start Time/Date, End Time/Date :</b>	3/18/2015 10:17 AM 3/23/2015 11:40 AM
<b>PrM run # :</b>	23751
<b>Condenser state:</b>	on
<b>Filter state/settings:</b>	off
<b>H2O reading:</b>	1.2 ppb to 3 ppb
<b>Temperature:</b>	95 K
<b>Liquid Level</b>	21 inches
<b>Lifetime:</b>	from >8 ms to 4-7 ms range
<b>VaporTest</b>	
<b>Start Time/Date, End Time/Date :</b>	3/24/2015 2:40 PM, 3/26/2015 3:45 PM
<b>PrM run # :</b>	23811
<b>Condenser state:</b>	on
<b>Filter state/settings:</b>	off
<b>H2O reading:</b>	no change
<b>Temperature:</b>	217 K
<b>Liquid Level</b>	20.6 inches
<b>Lifetime:</b>	> 5 ms
<b>Zero Test -Room Temp.</b>	last zero test 9/30/2014
<b>H2O reading:</b>	increased from 2 ppb to 12-20 ppb range
<b>Lifetime:</b>	decreased from 8 ms to 3-4 ms range