

<b>PAB Materials Test System</b>	
<b>Date of Receipt</b>	2/12/2011, elog # 1480
<b>Sample Name/Description</b>	Primary membrane of the LBNE AR20 membrane cryostat with vinyl film
<b>Sample</b>	
<b>Composition:</b>	304L Stainless Steel, vinyl
<b>Picture Location:</b>	data base
<b>Density:</b>	x
<b>Weight:</b>	670 g
<b>Dimensions/Area:</b>	4 pieces 1.2 mm thick, look at the picture
<b>Source:</b>	Russ Rucinski
<b>Preparation:</b>	wiped dry
<b>Submerging in LAr or LH2</b>	no
<b>Zero Test</b>	no
<b>Time in the airlock(hrs)</b>	
<b>Purge:</b>	72 h from bottle and 1 h from Luke
<b>Vacuum:</b>	no
<b>Room Temp Test</b>	
<b>Start Time/Date, End Time/Date :</b>	1/31/11 1:15 pm, 2/4/11 10 am
<b>PrM run # :</b>	11394
<b>Condenser state:</b>	on
<b>Filter state:</b>	off
<b>O2 reading:</b>	some increase in the beginning then dropped
<b>H2O reading:</b>	47 ppb in 4 hours, stabilized at 10-20 ppb
<b>Lifetime:</b>	2-3 ms
<b>Liquid Test</b>	
<b>Start Time/Date, End Time/Date :</b>	2/4/11 2:30 pm, 2/7/11 10:25 am
<b>PrM run # :</b>	11450
<b>Condenser state:</b>	on
<b>Filter state:</b>	off
<b>O2 reading:</b>	no increase
<b>H2O reading:</b>	no increase
<b>Temperature:</b>	95 K
<b>Lifetime:</b>	6-10 ms
<b>Liquid level :</b>	16.8 inches to 15.8 inches
<b>Vapor Test</b>	
<b>Start Time/Date, End Time/Date :</b>	2/7/11 2:30 pm, 2/8/11 11:30 am
<b>PrM run # :</b>	11486
<b>Condenser state:</b>	on
<b>Filter state/settings:</b>	off
<b>O2 reading:</b>	no increase
<b>H2O reading:</b>	no increase
<b>Temperature:</b>	223 K
<b>Lifetime:</b>	6-10 ms
<b>Liquid level :</b>	15.7 inches to 15.4 inches
<b>Results &amp; Comments</b>	