

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