

PAB Materials Test System	
Date of Receipt	3/4/14 , logbook entry # 4908
Sample Name/Description	Fiberglass I-Beam McMaster part number 9468T12
Sample	
Composition:	fiberglass-reinforced polyester (FRP)(structural fiberglass)
Picture Location:	data base
Weight:	111.7 g
Dimensions/Area:	2 inches of 4 inch I beam
Source:	Bill Sands
Preparation:	alcohol cleaned
Submerging in LAr or LH2	x
Time in the airlock(hrs)	
Purge:	6 hours (just to get rid of the air in the airlock)
Vacuum:	
Room Temperature	
Start Time/Date, End Time/Date :	2/6/2014 4:30 PM, 2/10/2014 9:05 AM
PrM run # :	20168
Condenser state:	on
Filter state:	off
O2 reading:	x
H2O reading:	increased from 1.4 to 300 ppb in 100 min. after opening the gate valve, then slowly dropped and stabilized in 100-150 ppb range.
Lifetime:	declined from >10 ms to <1 ms in 9 hours, stabilized at 0.5 ms
Liquid Test	
Start Time/Date, End Time/Date :	2/12/2014 4:50:00 PM 2/14/2014 5:45 PM
PrM run # :	20225
Condenser state:	on
Filter state/settings:	off
O2 reading:	x
H2O reading:	15-20 ppb
Temperature:	95 K
Liquid Level	22 inches
Lifetime:	> 10 ms
VaporTest	
Start Time/Date, End Time/Date :	2/18/2014 12:45 PM, 2/21/2014 4:27 PM
PrM run # :	20271
Condenser state:	on
Filter state/settings:	off
O2 reading:	x
H2O reading:	first increased to 35 ppb then stabilized in 15-20 ppb range
Temperature:	218-223 K
Liquid Level	21 inches
Lifetime:	> 10 ms
Zero Test -Room Temp.	2/27/14, 3/4/2014
H2O reading:	15-20 ppb
Lifetime:	2-3 ms