

PAB Materials Test System

Date of Receipt	12/21/10 , logbook entry # 1451
Sample Name/Description	Baked FR4 , 4 plates
Sample	
Composition:	FR4 - glass reinforced epoxy laminate(woven fiberglass cloth with an epoxy resin)
Picture Location:	data base
Weight:	54 g
Dimensions/Area:	4 pieces 104 x 130 mm, total area: 0.11 m2
Source:	Stephen Pordes
Preparation:	cleaned - wiped, baked in 50C vacuum oven for 1 week + 1 day
Submerging in LAr or LH2	no
Time in the airlock(hrs)	
Purge:	24 h purged from the bottle and 1 h from Luke
Vacuum:	
Room Temperature	
Start Time/Date, End Time/Date :	12/14/10 3:33 pm, 12/15/10 3 pm
PrM run # :	10779
Condenser state:	on
Filter state:	off
O2 reading:	jumped by 0.4 ppb, then dropped to 0.2 ppb
H2O reading:	65 ppb in first 3 h, then dropped to 20-30 ppb
Lifetime:	7-10 ms
Liquid Test	
Start Time/Date, End Time/Date :	12/16/10 8:30 am, 12/17/10 3:40 pm
PrM run # :	10801
Condenser state:	on
Filter state/settings:	off
O2 reading:	jumped by 0.9 ppb, then dropped to 0.2-0.3 ppb
H2O reading:	80 ppb in 2 h, then dropped to 20-30 ppb
Temperature:	95 K
Lifetime:	6-9 ms
Liquid level	24 inches
Vapor Test	
Start Time/Date, End Time/Date :	12/17/10 3:40 pm, 12/20/10 3:45 pm
PrM run # :	10833
Condenser state:	on
Filter state/settings:	off
O2 reading:	increased by 0.2 ppb
H2O reading:	15 ppb
Temperature:	204-210 K
Lifetime:	5-6 ms
Liquid level	23.7-22 inches
Results/comments	