

PAB Materials Test System

Date of Receipt	11/30/10 , logbook entry # 1429
Sample Name/Description	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 m ²
Source:	Stephen Pordes
Preparation:	cleaned - wiped
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 :	11/17/10 3:40 pm, 11/19/10 1:55 pm
PrM run # :	10540
Condenser state:	on
Filter state:	off
O2 reading:	increased by 1 ppb
H2O reading:	500 ppb in first hour, then decreased to 150-220 ppb
Lifetime:	decreased to < 2 ms in 16 h , after 46 h was 1.1 ms
Liquid Test	
Start Time/Date, End Time/Date :	11/22/10 4:45 pm, 11/23/10 2:45 pm
PrM run # :	10586
Condenser state:	on
Filter state/settings:	off
O2 reading:	no increase
H2O reading:	increased to 67 ppb in first few hours, then dropped to 15-25 ppb
Temperature:	95 K
Lifetime:	> 6 ms
Liquid level	20.5" to 20"
Vapor Test	
Start Time/Date, End Time/Date :	11/23/10 2:45 pm, 11/29/10 10:30 am
PrM run # :	10595
Condenser state:	on
Filter state/settings:	off
O2 reading:	increased by 0.3-0.5 ppb
H2O reading:	increased to 400 ppb in first 2 hours, then dropped to 40-90 ppb
Temperature:	220 K
Lifetime:	2-3 ms
Liquid level	20" to 17.5"
Results/comments	