

PAB Materials Test System	
Date of Receipt	3/10/10, loogbook entry #1228
Sample Name/Description	962 Capacitors 6 capacitors in the perforated box.
Sample	
Composition:	dielectric-polypropylene, coating-solvent resistant plastic box(UL94V-1) with epoxy end seals(UL-94V-0)
Picture Location:	Data Base
Weight:	3.1 g (one capacitor), 18.6 (sample of 6 capacitors)
Dimensions/Area:	26.4 x 15 x 6 mm / area of 6 is around 7733 mm ²
Source:	Walter Jaskierny
Preparation:	Cleaned with alcohol
Submerging in LAr or LH2	no
Zero Test	3/1/10, Lifetime from 10 ms to 3.5 ms, H2O from 1.5 ppb to 5.5 ppb
Time in the airlock(hrs)	25 h
Purge:	
Vacuum:	3/2/10 for 24 h
Room Temperature Test	
Start Time/Date, End Time/Date :	3/3/10 10:10 am, 3/5/10 9:10 am
PrM run # :	7758-7777
Condenser state:	on
Filter state:	off
O2 reading:	increased 0.21 ppb
H2O reading:	1.7 ppb to 9-14 ppb
Temperature:	room
Lifetime:	>10 ms to 2.9 ms
Liquid Test	
Start Time/Date, End Time/Date :	3/5/10 3 pm, 3/8/10 11:10 am
PrM run # :	7817-7842
Condenser state:	on
Filter state:	off
O2 reading:	no increase
H2O reading:	3.5 ppb to 9.3 ppb, then stabilized at 4-5 ppb
Temperature:	95 K
Lifetime:	8.4 ms to 4.5 ms
Liquid level :	24.8 inches to 23.5 inches
Vapor Test	
Start Time/Date, End Time/Date :	3/8/2010 3:40:00 PM, 3/10/2010
PrM run # :	7844- 7862
Condenser state:	on
Filter state/settings:	off
O2 reading:	no increase
H2O reading:	2.4 ppb
Temperature:	212 K
Lifetime:	9 ms to 6.5 ms
Liquid level :	23.5 to 22.7
Results & Comments	962 Capacitors can be used in liquid argon, vapor and room temperature.