

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