Life Test Data – Paper Capacitors

Test Conditions, Tan δ, Capacitance, Failure Times

Test Started 9

Temp, °C Voltage Time, hrs	RT 600 0	70° 870 744	70° 900 168	70° 930 168	70° 960 168	70° 1000 168	80° 1000 168	90° 1000 168	100° 1000 168	
Aroclor 1242 (4-15-71)	.00351 1.974 μfd	.00315 1.885	.00314 1.884	.00316 1.883	.00319 1.883	.00320 1.883	.00336 1.873	.00378 1.864	2.5 hrs. 2.5 3.0 3.0	4.0 hrs 60.5 109.0 117.0
Aroclor 1242 (KA 484)	.00346 1.936 μfd	.00294 1.848	.00302 1.847	.00303 1.846	.00303 1.846	.00299 1.845 158.0 hrs.	.00310 1.834 159.5 hrs.	.00338 1.824	.00370 1.811 9.0 hrs. 16.16	36.33 hrs. 76.0 134.0 1 OK
Extracted 76.8% MIBP 33.2% TXS 40.3% Unox 221	.00367 1.988 μfd	.00347 1.910	.00359 1.910	.00365 1.910	.00359 1.910	.00366 1.910	.00373 1.900	.00412 1.877	.00475 1.889 2.5 hrs. 2.5 3.0	4.0 hrs. 4 OK
Aroclor 1016 (Beam #6, P.P run #2)	.00337 1.969 μfd	.00307 1.884	.00309 1.889	.00311 1.882	.00310 1.882	.00312 1.882	.00323 1.872	.00346 1.864	.00423 1.851 92.0 hrs	7 OK

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