PROPERTIES OF DIELECTRIC FLUIDS AND SYSTEMS

	Aroclor 1016	MCS 1489	MCS 1475
Data on Fluids			
Spg. 25°c/25°C	1.368	1.348	.988
DK 25°C	5.9	8.1	6.2
100°C	4.85	6.5	5.0
tan δ 60 Hz 100°C	.0025	.05	.1
R_s 100°C x 10^9Ω cm	150,000	2,000	500
Viscosity, cs. @ 100°F	14.27	21.5	26.36
@ 210°F	2.12	2.54	4.33
Flash Point °F	358°	358°	432°
Fire Point °F	None to BP (620)	610	495
AIT °F	1185	1125	730
Data on 2 μF Capacitors* Impregnated with Above Fluids			
Capacitance @ 25°C	1.95	2.20	1.95
Dissipation Factor @ 25°C	.00336	.00395	.00339
Capacitance @ 90°C	1.83	2.07	1.84
Dissipation Factor @ 90°C	.0032	.0033	.0032

* Standard 2 μF, 585 VAC Capacitors, 2 layers 0.00066, 0.90 density paper, 0.3% Unox 221 added.

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INFLUENCE OF RAW MATERIAL COSTS ON MCS 1475 COST

	Transfer Price	1973 Std. Mfg. Cost
Santicizer 711	12.5 ¢/lb.	8.828 ¢/lb.

1475 - Transfer cost	.903 x 12.5 =	11.2
TXS @ 50¢/lb.	.097 x 50 =	4.85
		16.05
1475 - '73 Std. Mfg. Cost	.903 x 8.83 =	7.97
TXS @ 50¢/lb.	.097 x 50 =	4.85
		12.82
1475 - Transfer Cost	.903 x 12.5 =	11.2
TXS @ 40¢/lb.	.097 x 40 =	3.88
		15.08
1475 - '73 Std. Mfg. Cost	.903 x 8.83 =	7.97
TXS @ 40¢/lb.	.097 x 40 =	3.88
		11.75

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