

**TEMPERATURE SPECIFICATION
of
MONSANTO CHEMICAL COMPANY
PHOSPHATE DIVISION**

PRODUCT Aroclor 1242 CODE NO. 1040-240-75-09
 GRADE General Electric Pyranol 1499 AUTHORIZED
 PROD. DEPT. NO. 27 SUPERSEDES
 A
 APPROVED BY) _____

	G.E. Spec.	Desired	Typical Value
Color, APHA Scale		100 max.	*same
Condition		Clear	*same
Specific Gravity at 25/15.5°C		1.378-1.388	*same
Acidity, mg. KOH/gm		0.014 max	*same
Inorganic Chlorides, ppm		0.10 max	*same
Saybolt Viscosity at 37.8°C, Universal sec.		78-88	*same
Dielectric Constant at 100°C		4.7-4.9	*Same
Resistivity at 100°C., ohms -cm ³ at 500 V DC		500 X 10 ⁹	*Same
Refractive Index at 25°C		1.6245-1.6265	*Same
Distillation Range (Corrected) °C		325-360	*Same
	10%		*Not determined
	50%		*Not determined
	90%		*Not determined
Pour Point °C		-14 max	*Same
Water, ppm		35 max	*Same
Corrosion: Loss of Aluminum		0.0%	None
Pyranol heated 6 hrs. C 210°C / 10°C			
Pyranol should meet the following spec.:			
Color, APHA		150 max	*Same
Acidity mg KOH/g		.014	*Same
Inorganic Chlorides, ppm		0.1 max	*Same
Condition		Clear	*Same
Color, APHA		150 max	*Same
Dielectric Strength at 75°C		Not determined	35 KV min.
Impregnation Test		Not determined	

R-273A, capacitors shall be vacuum dried at 100°C for 72 hours and shall be impregnated with the material as received from the Monsanto Chemical Company. The requirements are:

Power Factor	25°C	0.35%
Power Factor	75°C	0.32%
Fixed Chlorine, % Cl		41.5-42.5
Flash Point, Cleveland open cup		160°C min.
Dielectric Constant - 25°C		5.70-5.90
% Loss on evaporation 100°C - 6 hrs		0.4 max.
Specific Heat at 25°C	0.29	
Five Point °C	min. to boiling point	
Sulfates	None	

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