PYRANOL 1470 SPECIFICATIONS

GENERAL CHARACTERISTICS (AS RECEIVED)

Physical Properties:

Viscosity S.U.S. 37.8°C.	40 - 43
Specific Gravity 15.5/15.5°C.	1.563 - 1.571
Color, APH	150 maximum
Pour Point °C.	Lower than - 44
Fire Point °C.	None up to boiling point
Condition	Clear
Distillation Range °C. (corrected)	1st drop 210 minimum
(% by volume)	35% 232 - 240
	55% 275 - 300
	65% 380 - 390
	90% 390 - 400
Refractive Index 25°C.	1.6075 - 1.6085

Chemical Properties:

Acidity (MgKOH/g.)	.014 maximum
Free Chlorides, p.p.m.	.10 maximum
(Tin tetraphenyl content %)	0.125% + .01% by weight
Fixed Chlorine%	60.5 + 0.5
Corrosion Test	After heating with aluminum for six hours at 200 - 220°C., the aluminum must not be corroded either on visual or weight inspection and the Pyranol should meet the following specifications:
Color	200 APH
Acidity	.01 maximum ← Should be 0.014 maximum WG
Free Chlorides	(5 maximum)
Condition	Clear
Arc-formed gases (oxygen-free liquid at 25°C.)	Less than 1.0% total combustible gases including carbon monoxide, hydrogen, and volatile hydrocarbons
Water content, p.p.m.	30 maximum

Electrical Properties:

Dielectric strength, 25°C. KV	35 minimum
Resistivity, 100°C., 500 VDC (ohm/cm^3)	100 x 10^9 minmum
Dielectric Constant, 1000 cycles	
25°C.	4.4 - 4.7
100°C.	3.8 - 4.1
Electrical Stability	After heating for 96 hours at 100°C in a closed container, the resistivity shall not decrease more than 10 percent.

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