COMPARISON OF SPECIFICATIONS

PROPERTY	PROPOSED SPECIFICATION WESTINGHOUSE	PROPOSED SPECIFICATION W. G. K.	G. E. SPECIFICATIONS PYRANOL 1467
Appearance (Condition)	Clear	Clear	Clear
Color (APHA)	APHA 150 Max.	APHA 150 Max.	APHA 150 Maximum
Specific Gravity @ 15.5/15.5°C	1.560-1.568	1.560-1.568	1.560-1.568
Acid Number	<0.010 mg. NaOH/gm.	0.014 mg. ✓ KOH/gm Max.	<0.014 mg. KOH gm.
Inorganic Chlorides	0.10 ppm Max.	0.10 ppm Max.	0.10 ppm Maximum
Viscosity @ 37.8°C	54 ± 2 seconds	52.0 - 56.0 seconds	54 ± 2 Saybolt Universal Seconds
Refractive Index @ 25°C	1.6137-1.6157	1.6137-1.6147	1.6137 - 1.6147
Distillation:			
First Drop	200°C Min.	200°C Min.	200°C Minimum
Below 270°C	40 % Max.	40 % Max.	40 % Maximum
90%	395 - 410°C	385 - 410°C	385 - 400°C
Pour Point	-32°C Max.	-32°C Max.	-32°C Maximum
Moisture (H_2O)	-----	30 ppm Max.	<30 ppm
Phenoxypropene Oxide	0.18 - 0.22%	0.200 - 0.250%	------
Corrosion Test: Change in weight of aluminum in contact with Pyranol, refluxed 6 hrs.	None	None	After heating with aluminum for 6 hrs @ 200-220°C, the aluminum must not be corroded either on visual or weight inspection and the Pyranol should meet the following specifications:
Inorganic Chloride after test	5.0 ppm Max.	5.0 ppm Max.	5 ppm Maximum
Acid Number after test	0.01 mg. NaOH/gm. Maximum	0.014 mg. KOH/gm Max.	<0.014 mg. KOH/gm.
Condition after test	Clear	Clear	Clear
Color after test	APHA 400 Max.	APHA 200 Max.	APHA 200 Maximum
* Resistivity @ 100°C	100 x 10^9 ohm/cm^3 Min.	-------	100 x 10^9 ohm/cm^3 Min.
* Dielectric Strength @ 25°C	> 35 K. V.	-------	> 35 K. V.

* Determined, but not reported to Westinghouse. These properties are reported to G. E. on Pyranol 1467.

DSW 550804

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