2 copies

STANDARD SPECIFICATION
OF
THE SWANN CORPORATION

Product: AROCLOR 1254 Code No. 140111-1254-1

Grade: G. E. Compound No. 1476 Date Authorized 4/1/33

Supersedes Specification Dated

The Swann Chemical Company shall test each 3500-pound batch of #1476 made for shipment to Pittsfield and shall forward their test data together with a two-quart advance sample for our Laboratory analysis and release.

The following are the chemical, physical and electrical specifications which must be met by the Swann Chemical Company:

	Tolerable Limits / Typical Analysis
Burn Point (A.S.T.M. D-92)	Higher than 350°C.
Viscosity at 98.9°C (ASTM D-88)	46-49 seconds Saybolt Universal.
Specific Gravity at 65°C. (Referred to water at 15.5°C)(ASTM D 287-30T)	1.495 - 1.505
Pour Point (ASTM D 97)	+10°C ± 2°C
Color (NPA) (IRS Method H-3955618)	Less than 1.
Acidity (IRS Method H-3955613)	Less than 0.01 mg. NaOH/gm of sample
Chlorides and Sulphates (ASTM D117-31)	None
Evaporation at 100°C. for 6 hours (IRS Method H-3955622)	Less than 0.4%
Distillation Range (ASTM D-20)	10% Point - 350-355°C. 50% Point - 355-362°C. 90% Point - 362-375°C.
Stability	There shall be no liberation of chlorine or chlorides when the material is heated at 100°C in glass vessels in contact with air for periods of at least one month.
Fixed Chlorine Content (Carius)	55% ± 0.5%
Resistivity at 100°C under 500 volts D.C. (Electrodes-Drawing M-1559663)	Greater than 100 x 10^9 ohms/cm^3
Aging Characteristics at 100°C for 96 hours in air	No less in resistivity over original value
Dielectric Constant at 100°C. (Method H-3955871)	4.15 - 4.35
Dielectric Strength (ASTM D 117-31)	Not less than 30.0 kilovolts

H Power Factor
H Refractive Index

Approved by A B Gerber
Chief Chemist
IRS methods new term - unknown

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DSW 312226

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