

Specification

1.0 General Description

The dielectric fluid is a blend of linear alky benzene in the range C11/C12 that posses excellent electrical properties. It is primarily used for the impregnation of hollow-core design AC cables.

2.0 Specification (IEC 60867 Class I)

| PROPERTIES | SPECIFICATION | UNITS | METHODS |
|--|-----------------------|----------------------|---------------------------|
| Kinematic Viscosity at 40°C | 4.0-6.0 max | cSt | ASTM D445 |
| Density at 20° C | 0.850-0.880 | g/mol | ASTM D1298 |
| Flash Point (PMCC) | 110 min | °C | ASTM D93 (close cap) |
| Water Content | 75 max | ppm | IEC 814 |
| Pour Point | - 45 max | °C | ASTM D97 |
| Breakdown Voltage | 30 min | kV | IEC 156 1995 |
| Dielectric Dissipation Factor at 90 ° C | 0.002 max | | IEC 60247 |
| Speciffic Dielectric Resistance at 90 °c | 0.5 min | TΩm | IEC60247 |
| Chlorine Content | 30max | mgkg-1 | |
| Neutralisation Value | 0,03max | Mg KOH g-1 | IEC 867 |
| Corrosive Sulphur | Non-corrosive | | ASTM D1275 |
| Stability Under Electric and Ionisation (Gassing) Absorption | 20 min | mm ³ /min | IEC 628 Method A |
| Biodegradability | Readily biodegradable | | OECD 301D , CEC L-33-T-82 |