

Product Data Sheet

KUNLUN KI 25X & KI 45X TRANSFORMER OIL



Product introduction

KL25X and KL45X ultra high voltage transformer oil is a special naphthenic crude oil as raw material, base oil production by special technology, adding high-quality antioxidant compound additives, with rapid heat transfer and oxidation stability, excellent electrical properties and anti gassing property, etc. The product under strict quality control production, stable and reliable performance, resource fixed. KL25X. KL45X transformer oil meets IEC60296 (82) /A, BS148 (98) /ASTM D3487 (93) / standard requirements

Performance characteristics

- Excellent electrical insulation performance, high breakdown voltage, low dielectric loss factor, can effectively prevent the discharge phenomenon and power loss under high voltage electric field
- Good thermal stability and oxidation stability, acid sludge formation and prevent the use of the process, prolong the service life of electrical equipment
- Lower viscosity, providing effective cooling and heat transfer properties
- Excellent low temperature performance, does not contain the pour point depressant, can be as low as 40°C
- Good performance of anti gas analysis, to prevent the phenomenon of air gap discharge under the condition of high voltage electric field
- Naphthenic hydrocarbon and aromatic hydrocarbon content is appropriate, to ensure the formation of running process of electrical equipment in the sludge and dissolved to avoid the destruction of insulation material and the effect of heat transfer
- Environmentally friendly, do not contain any pcbs.

Application

KI25X and KI45X ultra-high voltage transformer oil suitable for 500KV transformers and similar requirements of electrical equipment.

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Product typical data

Product	KI25X	KI45X	Test Method
Density (20 degrees C), kg/m ³	884.6	878.9	GB/T1884
Kinematic viscosity, mm ² /s, 40	9.652	9.606	GB/T 265
Pour point, C	<24	<45	GB/T3535
Flash point (closed), C	143	144	GB/T261
Neutralization value, mgKOH/g	<0.01	<0.01	GB/T4945
Breakdown voltage (interval 2.5mm turn over Cargo time), KV	66	60	GB/T507
Dielectric dissipation factor (90 C)	<0.001	<0.001	GB/T5654
Interfacial tension, mN/m	45.6	49	GB/T6541
Moisture (ex factory), mg/kg	17.6	20.5	SH/T0207
Gas condensate, L/min	+3	+2	GB/T11142

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