

Sunrise Petroleum FZC

P.O. Box 42553, HFZA, Sharjah, U.A.E

Ph: +971 6 5262 871 & Fax: +971 6 5262 873

Website: www.sunrisepetroleum.com

Products Specification

Transformer Oils

IS-12463 Specifications

CHARACTERISTICS	TEST METHOD		
		MIN	MAX
PHYSICAL PROPERTIES			
APPEARANCE	The oil shall be clear transparent & free from suspended matter/sediments	The oil shall be clear transparent & free from suspended matter/sediments	
Density@29.5 °C g/cm ³	IS:1448(P-16)-1990		0.89
Kinematic Viscosity@27 °C, cST.	IS:1448(P-25)-1976		27
Interfacial Tension @27 °C, N/M	IS:6104-1971	0.04	
Flash Point, °C (PMCC)	IS:1448(P-21)-1992	140	
Pour Point, °C	IS:1448(P-10)1970		-6
Water content , PPM	IS:13567-1992		50
ELECTRICAL PROPERTIES			
Electric Strength(BDV)	IS:6792-1992		
a)New unfiltered oil, kv(rms)		30	
b)After filtration, kv(rms)		60	
Dielectric dissipation Factor (tan delta) @90 °C	IS:6262-1971		0.002
Specific Resistance, ohm-cm	IS:6103-1971		
a) @ 90 °C		35x10 ¹²	
b) @ 27 °C		1500x10 ¹²	
CHEMICAL PROPERTIES			
Neutralisation Value,mg KOH/g.	IS:1448(p:2)1967		
a) Total acidity,mg.KOH/gm			0.03
b)Inorganic acidity/Alkalinity mgKOH/gm		NIL	
Corrosive Sulphur	Annex B(IS:335/1993)	Non-Corrosive	
Presence of oxidation inhibitor, %	IS:13631-1993		0.3
Oxidation stability:	IS: 12422-1988		
a)Neutralistion value, after oxidation, mgKOH/g			0.4
b)Total sludge after oxidation, % by Wt			0.1