

MOTOROL VOLTROL MIS X TRANSFORMER AND INSULATING OIL

Introduction:

MOTOROL VOLTROL MIS X is manufactured from suitable base stock. This is further processed to attain optimum insulating properties. Product fully complies with 12463 - 1998 Inhibited Specifications.

Typical Specifications:

CHARACTERISTICS	Test Method	MIS X
Appearance	Representative sample of the oil shall be examined in transmitted light under an oil depth of 100 mm at 27°C temperature.	Clear & free from sediments or suspended material
Density at 29.5°C (g/ml), Max	IS 1448 P 16-1990	0.89
Kinematic Viscosity at 27°C (cSt), Max	IS 1448 P 25-1976	27
Pour Point (°C), Max	IS 1448 P 10-2012	-6
Flash point (°C) PMCC, Min	IS 1448 P 21-1992	140
Neutralization Value (mgKOH/gm), Max		
Total Acidity	IS 1448 P 2-2007	0.03
Inorganic Acidity/Alkalinity		Nil
Water Content (ppm), Max	IS 13567-1992	50
Inter Facial Tension (N/m), Min	IS 6104-1971	0.04
Break down Voltage		
New unfiltered / After filtration (kv), Min	IS 6792-1992	30/60
Corrosive Sulphur		
Copper Strip, 140 °C, 19 Hrs	IS 335 Annexure B	Non Corrosive
Dielectric Dissipation Factor (Tan δ) at 90° C, Max	IS 6262-1971	0.002
Presence of oxidation inhibitor (%)	IS 13631-1993	0.3
Specific Resistance (Resistivity)		
at 90°C (ohm-cm), Min	IS 6103 - 1971	35 x 10 ¹²
at 27°C (ohm-cm), Min		1500 x 10 ¹²
Oxidation Stability at 100°C, 164 Hrs		
Total Acidity (mgKOH/gm), Max	IS 335 Annexure C	0.4
Sludge (%), Max		0.1
Oxidation Stability, RBOT (minutes), Min		195

Environment, Health & Safety:

Every care has been taken to ensure the accuracy of the information in this PDS. This however may be affected by subsequent improvement in product (R&D). MSDS is available for all MOTOROL products on request. MOTOROL products are unlikely to present any health and safety hazard with proper use for the correct application and maintain proper personal hygiene. Do not spill oils on the shop floor, discharge into drains, ground or water sources.