



Data Sheet

PRODUCT TYPE AND COMPANY IDENTIFICATION

Shield X Special MP-II is long-life performance insulating oil and coolant with high level of dielectric strength,

designed with extremely filtered thermally & chemically stable base stock to provide protection for a wide

range of transformers and other electrical equipment.

Performance Specifications / Standards

Transformer Oil Inhibited: ASTM D3487 Type IIA (inhibited)

Transformer Oil: ASTM D3487 Type II

Company Identification:

Liquitech USA

www.liquitechsys.com

APPLICATIONS

Recommended for use in transformers, rheostats, circuit breakers, oil-immersed high-voltage switchgears, condensers, Tap changers, electrical re-closures, fuses and other electrical equipment, operating under critical conditions, subject to great thermal stresses.

Performance Features & Benefits

Excellent fluidity provides efficient functioning at extremely low temperature and ensures superior convective and conductive heat transfer to improve cooling of transformer components.

High dielectric strength and low dissipation factor provide superior insulating performance.

Improved resistance to acid and sludge formation due to absence of asphaltic and resinous materials.

Long term rust and corrosion protection.

Effective anti-oxidation inhibitor controls the formation of sledges, deposits and soluble compounds which break down the electrical properties of the oil.

Extended service life.

Self-mixing capacity ensures immediate formation of a homogenous blend at all temperatures.

Transformer Oil Type	IIA	II
Density @ 20C, kg/cu.m	0.825	0.825
Kinematic Viscosity @ 40C, cSt	8.9	8.9
Kinematic Viscosity @ 100C, cSt	2.4	2.4
Flash Point, COC, C	154	154
Pour Point, C	-48	-48
Interfacial Tension @ 25C, mN/m	46	45
Dissipation factor @ 100C, %	<0.11	<0.15
Dielectric Strength (D877), KV	70	70
Polychlorinated biphenyles (PCB) content (IEC 6161)	Nil	Nil