SPINTA DIELECTRIC TRANSFORMER

Product Code: SP-IN-TRANSFOR

Uninhibited Insulating Dielectric Fluid

PRODUCT DESCRIPTION

SPINTA DIELECTRIC TRANSFORMER is an uninhibited insulating fluid formulated with highly refined naphthenic mineral base oils. It is severely dried to provide high dielectric strength and combines electrical insulation, thermal stability, heat-transfer performance and non-corrosive behaviour toward copper for transformers and compatible electrical equipment.

APPLICATIONS & BENEFITS

Dielectric Strength Low moisture and severe drying provide strong electrical insulating performance.
Thermal Exchange Good low-temperature fluidity and base-oil properties support heat dissipation inside transformers.
Oxidation Resistance Resistance to oil degradation supports dielectric-fluid durability.

KEY PERFORMANCE BENEFITS

Copper Protection The uninhibited fluid is non-corrosive to copper under the stated test conditions.
Electrical Applications Suitable for industrial transformers, grid transformers, rectifiers and compatible electrical equipment.
IEC Compliance Designed to meet IEC 60296 requirements for uninhibited insulating oils.

SPECIFICATIONS & PERFORMANCE LEVELS

Meets or exceeds the following specifications and performance levels; application statements as indicated:

- IEC 60296

Recommendation: Use only in electrical equipment requiring an uninhibited insulating mineral oil compliant with IEC 60296. Follow transformer filling, drying and maintenance procedures specified by the equipment manufacturer.

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS

Property	Test Method	IEC 60296	Typical Value
Density @ 15°C, kg/dm³	ASTM D 4052	max. 0.895	0.870
Kinematic Viscosity @ 40°C, cSt	ASTM D 445	max. 12	9.5
Kinematic Viscosity @ -30°C, cSt	ASTM D 445	max. 1,800	920
Flash Point, °C	ASTM D 92	min. 135	140
Pour Point, °C	ASTM D 97	min. -40	-45
Corrosive Sulfur	ASTM D 1275	Not corrosive	Not corrosive
Dielectric Strength t.q., kV	IEC 60156	min. 30	62
Treated Dielectric Strength, kV	IEC 60156	min. 70	> 70
Dissipation Factor @ 90°C	IEC 60247	max. 0.005	0.0015
Oxidation Stability - Sediments	-	max. 0.8	0.46
Oxidation Stability - Total Acidity	-	max. 1.2	0.72
PCB Content, mg/kg	IEC 61619	Not detectable	Not detectable

Note: The values shown above are typical for normal production and may vary within normal manufacturing tolerances. They do not constitute a product specification or contractual limit.

STORAGE, HEALTH & ENVIRONMENT

STORAGE

Store under cover whenever possible. If outdoor storage cannot be avoided, containers should be protected from rain and water infiltration. Avoid temperatures above 60°C, direct sunlight and freezing conditions.

HEALTH & SAFETY

When properly used and handled in accordance with standard personal hygiene practices, the product is not expected to present adverse health effects under normal conditions of use. Refer to the corresponding SPINTA Safety Data Sheet (SDS) for detailed precautions and first-aid information.

ENVIRONMENT

Do not discharge new or used product into drains, sewage systems, soil or watercourses. Used product must be collected and delivered to an authorized collection or disposal facility in accordance with applicable regulations.

ADDITIONAL INFORMATION

Safety Data Sheet (SDS): The corresponding SPINTA Safety Data Sheet is available separately and should be consulted before handling or using the product.
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