

General Transform Oil (GT5)



Product Description

Podlee general-purpose transformer oil, typically a highly refined mineral oil, is a dielectric insulating fluid designed to ensure the safe and efficient operation of electrical transformers and associated equipment. It serves dual roles as both an electrical insulator and a coolant, critical for maintaining transformer reliability and longevity.

Application

GT5 range transform oil is suitable for use as an insulating and thermal conductive medium in electrical equipment such as transformers, instrument transformers, and bushings; it is also applicable as an insulating and arc-quenching medium in oil circuit breakers.

Advantages

Excellent electrical insulation properties.

Excellent oxidation stability and cooling performance.

Excellent low-temperature fluidity.

Typical Characteristics

Item	Test Data			Standard
	10	25	45	
Style	10	25	45	-
Viscosity (mm ² /s @ 104 °F / 40 °C)	7.5	7.8	8	ASTM D445
Flash Point – open cup method, (°F/°C)	293/145	295/146	289/143	ASTM D92
Pour Point (°F/°C)	14/-10	-13/-25	-49/-45	ASTM D97
TAN (mgKOH/g)	0.006	0.006	0.006	ASTM D664
Water-soluble Acids and Alkalis	None	None	None	ASTM D974
Dielectric Strength (KV)	55	55	55	ASTM D877
Dielectric Dissipation Factor	0.0003	0.0003	0.0003	ASTM D924
Interfacial Tension (mN/m)	45	46	42	ASTM D971

Package

18 L/Barrel

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