

OPTICOOL™ DC

Description

Soltex Opticool™ DC is a specially designed low viscosity liquid immersion coolant for single- phase electronic applications. It is formulated to enhance thermal performance, material compatibility, durability, and sustainability. Opticool™ DC Liquid Immersion Coolants offer improved viscosity management, temperature control, long oxidation life and excellent dielectric properties. These benefits offer the most effective way to manage and control thermal heat removal.

Typical Properties	ASTM	Results
Specific Gravity @ 25°C	D-4052	0.8020
Density, 25°C, kg/mL	D-4052	802
Acidity, mg of KOH/100g	D-974	0.0057
Copper Corrosion 130C, 3 hr.	D-130	1b
Flash Point (PMCC), °C	D-93	174
Flash Point (COC), °C	D-92	188
Fire Point, (°C)	D-92	212
Pour Point, (°C)	D-97	- 48
Kinematic Viscosity, cSt @ 100 °C	D-445	2.40
Kinematic Viscosity, cSt @ 40 °C	D-445	8.27
Dynamic Viscosity, cP @ 100 °C	D-7042	1.92
Dynamic Viscosity, cP @ 40 °C	D-7042	6.61
Dielectric Breakdown, kV @ 1 mm	D-1816	22
Dielectric Breakdown kV @ 2 mm	D-1816	39
Thermal Conductivity, W/mk @ 25°C	D-7896	0.1457
Oxidation Rate (RPVOT), min	D-2272	3029
Thermal Expansion Coefficient, 1/K	D-1903	0.00048
Fluid Specific Heat J/g-K @ 25°C	E-1269	1.670
Natural Convection (FOM 1)	OCP 1.0	80.2
Laminar Flow (FOM 2)	OCP 1.0	30.5

* Does NOT contain fluorinated substances.

Packaging

Available in drums, totes & bulk.

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