PRODUCT INFORMATION SHEET

CITGO® Immersion Cooling Fluid

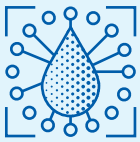
OVERVIEW

- Premium dielectric fluid designed and optimized for single-phase immersion cooling applications.
- Formulated with additives which provide superior oxidation resistance, corrosion inhibition, and rust protection.

FEATURES & BENEFITS

- Meets/Exceeds minimum requirements for single-phase immersion cooling fluids as defined by the Open Compute Project (OCP). Low sulfur formulation helps prevent corrosion of equipment.
- High specific heat capacity and good thermal conductivity for efficient heat transfer.
- Low viscosity formulation ensures excellent pumpability over a wide temperature range.
- Outstanding rust and oxidation protection.

APPLICATIONS



- Recommended for data center cooling systems where a single-phase immersion cooling fluid is required.
- Not recommended for two-phase cooling systems.

CITGO Petroleum Corporation
Houston, Texas

Customer Service Line
1-800-331-4068
LubesCS@CITGO.com

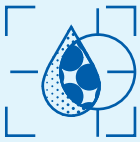
Product Answer Line
1-800-248-4684
lubeshelp@CITGO.com

Online at
www.CITGOLubes.com

Manufactured in USA

C 10281

PROPERTIES



Typical Properties for CITGO® Immersion Cooling Fluid:

Material Code	**662501001**
Gravity, ASTM D4052, °API	38.2
Density at 60 °F, lb/gal	6.95
Flash Point, PM, ASTM D93, °F (°C)	351 (177)
Viscosity, ASTM D445	
cSt at 40 °C	12.1
cSt at 100 °C	3.02
Pour Point, ASTM D97, °F (°C)	-33 (-36)
Color, ASTM D1500	L 0.5
Foam Test, ASTM D892, Seq I, II, III	Pass
Copper Corrosion, ASTM D130	1B
Rust Test A, ASTM D665	Pass
RPVOT, ASTM D2272, min	294
Sulfur, ASTM D5185, ppm	< 5
Dielectric Strength, ASTM D887, KV	42.6
Specific Heat Capacity @ 25 °C, ASTM E1269, J/kg-K	1812
Thermal Conductivity @ 25 °C, ASTM D7896, W/m-K	0.132
Thermal Expansion Coefficient, 1/K	0.00075
Figure of Merit 1 at 25 °C, OCP	35
Figure of Merit 2 at 25 °C, OCP	30