

**TECHNICAL DATA SHEET****PFE-20****Description and Applications**

PFE-20 Fluorinated Engineered Fluid, ethoxy-nonafluorobutane (C₄F₉OC₂H₅), is clear, colorless, nonflammable, chemically inert and thermally stable. PFE-20 is intended for the following suggested industrial and electronic applications: Cleaning and rinsing agent (heavy oils, grease, fluxes, waxes, surface contaminate debris and fluoropolymers; heat transfer fluid; lubricant fluid; specialty solvent; and dielectric test media.

Physical Properties

Properties	PFE-20 Value
Average Molecular Weight	264 g/mol
Boiling Point	76°C
Pour Point	-138°C
Calculated Critical Temperature	210°C
Vapor Pressure	16 kPa
Liquid Density (25°C)	1430 kg/m ³
Kinematic Viscosity	0.41cSt
Absolute Viscosity	0.6 cP
Surface Tension	13.6 mN/m
Dielectric Strength	>40 kV
Dielectric Constant@1kHz	7.3
volume resistivity	10 ⁸ Ohm-cm
Solubility of Solvent in Water	< 20 ppm
Solubility of Water in Solvent	92 ppm
Ozone Depletion Potential	0
Global Warming Potential	59

Compatibility

PFE-20 is compatible with most metals and hard polymers. Soft and elastomeric materials should be limited to compounds that contain the least amount of extractable plasticizer. As with most fluorinated fluids, PFE-20 fluid will absorb into fluorinated plastics and elastomers over longer exposures.

Packing

5kgs/can (Drum capacity: 4L) 、 20kgs/Pail (Drum capacity: 15L) 、 250kgs/Drum (Drum capacity: 200L)



Storage

Conditions for safe storage including any incompatibilities Store away from acids. Store away from strong bases. Store away from oxidizing agents.