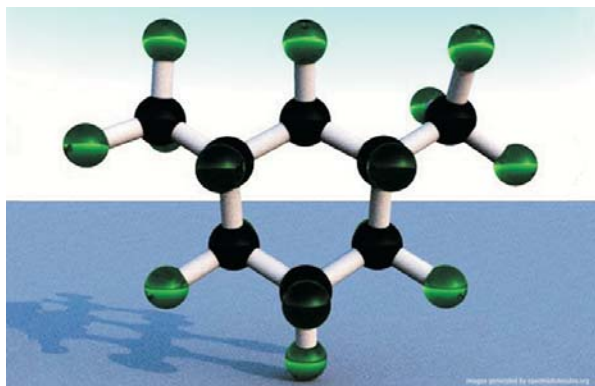




F2 Chemicals Ltd



FLUTEC™ PP3

Synonyms: Perfluoro-1,3-dimethylcyclohexane

CAS Number: 335-27-3

Description & Characteristics

Flutec PP3, C8F16 is a fully-fluorinated, odourless, colourless liquid.

- Compatibility with most construction materials
- Excellent chemical and thermal stability
- Non flammability
- Practically non-toxic¹

Applications

Flutec PP3 finds many applications including as a fluid for testing and cooling in the electronics industry and also as a fluid for curing low temperature cure resin systems and various energy transfer applications.

Safety & Handling

Although Flutec PP3 is considered biologically and chemically inert, good laboratory practice should be observed when handling. Flutec PP3 has an indefinite shelf life if properly stored in its original sealed container. Safety data sheets are available on request.

Typical Physical Properties

Boiling Point °C	102	Specific Heat, kj/kg °C	0.963
Pour Point °C	-70	Critical Temperature, °C	241.5
Molecular Weight	400	Critical Temperature, °K	514.7
Density, kg/l	1.828	Critical Pressure, bar	18.81
Viscosity (kinematic), mm ² /s	1.06	Critical Volume, l/kg	1.520
Viscosity, (dynamic), mPas	1.919	Resistivity ohm.cm	>1013
Surface Tension, mN/m	16.6	Dielectric Breakdown Strength kV/mm 50Hz	>20
Vapour Pressure, mbar	48	Thermal Conductivity, mW/m °C	60.4
Heat of vaporisation at Boiling Point, kj/kg	82.9	Expansion Coefficient, °C ⁻¹ (0°C)	0.00123

* Estimated value

The above typical physical properties, in no way form or represent product specification.