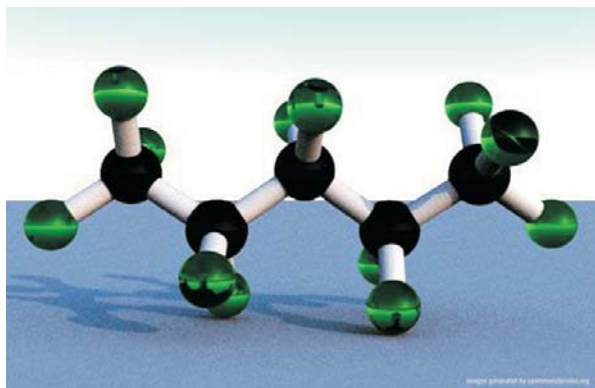




F2 Chemicals Ltd



Perfluoropentane

Synonyms: Perfluoropentane

CAS Number: 678-26-2

Description & Characteristics

Perfluoropentane, C₅F₁₂ is a fully-fluorinated, odourless, colourless liquid.

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

Safety, Handling and Storage

Although Perfluoropentane is considered biologically and chemically inert, good laboratory practice should be observed when handling. Flutec PP50 has an indefinite shelf life if properly stored in its original sealed container. Material safety data sheets are available on request.

Typical Physical Properties

Boiling Point °C	29	Surface Tension	0.4
Freezing Point °C	-120	Vapour pressure, mbar	862
Molecular Weight	288	Heat of vaporisation at boiling point, kJ/kg	90.8
Density, (sat.liq) kg/l	1.604	Specific Heat, KJ/kg °C	1.05*
Viscosity (kinematic), mm ² /s	0.29	Oxygen solubility, ml per 100ml	54
Viscosity, (dynamic), mPas	0.46	Refractive index, n _D 20	1.2383

* Estimated value

Temperature dependant properties are quoted at 25? unless otherwise stated. The above typical physical properties, in no way form or represent product specification.