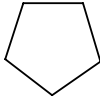


## Solvents and chromatography

## 109662 Cyclopentane reference substance for gas chromatography

Formula Hill	C <sub>5</sub> H <sub>10</sub>				
Chemical formula					
Molar mass	70.13 g/mol				
Density	0.75 g/cm <sup>3</sup> (20 °C)				
pH value					
Form	liquid				
Color	colourless				
Odeur	characteristic				
Melting point	-93.3 °C				
Boiling point	49 °C				
Vapor pressure	360 hPa (20 °C)			Solubility in water	(20 °C) insoluble
Explosion limits	1.5 - 8.7 Vol%			Solubility in ethanol	(20 °C) soluble
Flash point	-42 °C			Solubility in chloroform	
Thermal decomposition				Water absorbtion	
Heat of evaporation				Saturation conc. (air)	1470 g/m <sup>3</sup> (20 °C)
Evaporation number		Dielectric constant	1.9 (20 °C)		
Ignition temperature	380 °C	Dipole moment			
Bulk density		Viscosity dynamical	0.44 mPa*s (20 °C)		
Refractive index	1.4065 (20 °C)	Viscosity kinematical			