

SPECIFICATION

Octadecane

Parameters	Specification
CAS Number	593-45-3
Appearance	White to off-white waxy solid
Molecular Formula	C18H38
Molecular Weight	254.50 g/mol
Boiling Point	360 °C
Melting Point	28.9 °C
Flash Point	210 °C
Purity	98–99%
Refractive Index	1.431
Solubility	Practically insoluble in water; soluble in nonpolar solvents (hexane, toluene, xylene).
Uses	Paraffin wax used in candles and cosmetics; phase-change material (PCM); heat transfer medium in some applications.

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