

SPECIFICATION

Caprolactam

Parameters	Specification
CAS Number	105-60-2
Appearance	White crystalline solid
Molecular Formula	C ₆ H ₁₁ NO
Molecular Weight	113.16 g/mol
Boiling Point	270 °C
Flash Point	230 °C
Purity	98–99%
Refractive Index	1.46
Solubility	Sparingly soluble in water; soluble in hot water; soluble in most organic solvents (e.g., ethanol, acetone)
Uses	Monomer for Nylon-6 production; polymer manufacturing; chemical intermediate

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