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Technical Data Sheet

MATERIAL:	Poly(N-vinyl caprolactam)

CATALOG NUMBER: 1102

CAS NUMBER: 25189-83-7

DESCRIPTION: Homopolymer of N-vinyl caprolactam

FORMULA: $(C_8H_{13}NO)_x$

TYPICAL PROPERTIES:

Appearance: Powder
Approx Mv: 50,000
Density: 1.049
Tg: 145°C
Phase transition temp: 34°C

Solubility: Acetone, chloroform, DMF, DMAC,

ethanol, isopropanol, MEK, methanol, methylene chloride, THF, toluene, water

(cold)

GENERAL INFORMATION: Poly(N-vinyl caprolactam) is a temperature responsive polymer which is

known for its biocompatibility. PVCL exhibits a lower critical solution temperature (LCST) in aqueous solutions. Typical application areas

include adhesives, coatings and films.

STRUCTURE:

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