



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.
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STRUCTURE: