



## Technical Data Sheet

**MATERIAL:** Poly(N-isopropyl acrylamide)

**CATALOG NO.:** 963

**CAS NUMBER:** 25189-55-3

**FORMULA:**  $(C_6H_{11}NO)_x$

**TYPICAL PROPERTIES:**

Appearance:	Powder
Viscosity average Mw:	300,000
Density:	1.10
Inherent viscosity:	1.0
Melting point:	>200°C
Glass transition temp:	130°C
Solubility:	Acetone, DMF, THF, water (cold)

**GENERAL INFORMATION:** Poly(N-isopropyl acrylamide) (also known as PNIPA, PNIPAAm, PNIPAM or PNIPAA) is a temperature responsive polymer that is soluble in cold water but insoluble above ~32°C. The polymer has found application in macroscopic gels, microgels, membranes, sensors, biosensors, thin films, tissue engineering, and drug delivery.

**STRUCTURE:**