



# Unilong Industry Co., Ltd

Add: No.2000 Shunhua Rd, High-Tech Zone , Jinan City, Shandong Province, China

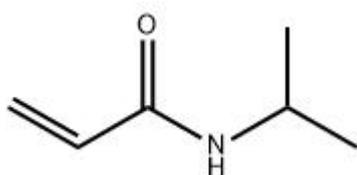
Contact: +86-18653132120

Website: [www.unilongmaterial.com](http://www.unilongmaterial.com)

**Product name: N-Isopropylacrylamide**

**CAS: 2210-25-5**

**Molecular weight: 113.16**



Item	Standard
Melting point	60-63 °C(lit.)
Boiling point	89-92 °C2 mm Hg(lit.)
Density	1.0223 (rough estimate)
Refractive index	1.4210 (estimate)
PH	pH(50g/l, 25°C) : 7.8~10.0
LogP	0.278 (est)



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### **Application:**

N-isopropylacrylamide is an acrylamide derivative monomer. Due to the presence of hydrophilic amide group and hydrophobic isopropyl group in the molecule, its homopolymer has a low critical solution temperature and other good characteristics. It is mainly used in the manufacture of temperature-sensitive polymer gels, such as: drug controlled release materials, enzyme solid materials, dehydrating agents, concentrating agents, etc. It can also be used to manufacture denatured rubber Chemicalbook milk, special coatings, adhesives and so on. N-isopropylacrylamide is used to prepare poly (N-isopropylacrylamide) (pNIPA, pNIPAAm, pNIPAm) heat sensitive polymers or copolymer hydrogels. Polymers containing NIPAM shrink sharply at temperatures above 33°C. The monomer is used to prepare heat-sensitive, water-expandable hydrogels.

### **Package:**

25kg/drum