

Technical Data Sheet (TDS)

Product Name: Acrylic acid polymer

CAS NO.: 9003-04-7

The product is often called Super Absorbent Polymer SAP, it is a new functional polymer absorbent material. It has super hydrophilic free radicals and unique molecular structure, can absorb water in a short time and maintain hundreds or even 1,000 times water over its dead-weight, or dozens of times physiological saline. It is famous for its strong water absorption and retention.

Appearance	Granular solid White powder
PH	6 - 8
Bulk Density, g/cm ³	0.68 - 0.72
Particle size, μm	300~1000

Performance and Usage

It swells with water, but not soluble in water, stable under normal conditions.

It can absorb moisture in wet conditions and release moisture slowly in dry conditions.

In oilfield, used as drilling, work-over and completion fluids additive for the control of lost circulation.

In daily hygiene products, diapers, sanitary napkins, nursing pad, etc.

In agriculture, crop planting, seeding, landscaping.

Used for ice pack and food pad, artificial snow as well.

Package

20 kg woven bags, 750 kg bulk bags, or as requested.

Storage

Store in a cool, dry and ventilated place, keep away from rain and moisture.

The product can absorb moisture in the air and caking.

Shelf life

12 months.

