

Hydroxypropyl Guar Gum

CAS No.	EINECS No.	UN No.	Molecular Formula / Product Type
39421-75-5	Not assigned to the polymer	Not assigned in stated reference	Modified or synthetic polymer; no single molecular formula

Product Description

Hydroxypropyl guar gum is a nonionic modified polysaccharide. Two powder grades differ in viscosity, fine-particle screening and water-insoluble matter. Grade I and Grade II limits are separate. Grade I viscosity conditions are specified; agree the Grade II method before comparing results.

Specifications

Parameter	Specification
Appearance	Cream-colored free-flowing powder
Both grades: moisture	≤10 %
Grade I: viscosity, 0.6%, 30°C, 170 s–1	≥110 mPa·s
Grade I: water insolubles	≤4 %
Grade I: substitution degree	≥0.30
Grade I: residue on 0.125 / 0.09 mm sieves	≤1 each %
Grade I: residue on 0.071 / 0.05 mm sieves	≤10 each %
Grade II: viscosity, agreed method	≥105 mPa·s
Grade II: water insolubles	≤7.5 %
Grade II: residue on 0.125 / 0.09 mm sieves	≤1 each %
Grade II: residue on 0.071 / 0.05 mm sieves	≤15 each %

Applications

- Oilfield-fluid development: Evaluate hydration, shear response and compatibility in the intended aqueous fluid system.
- Industrial thickening: Compare viscosity and insoluble-matter limits for industrial aqueous formulations.
- Grade comparison: Test both grades under matched solution preparation, temperature and shear conditions.

Packaging and Storage

Packaging	25 kg kraft-paper bags with an inner film liner.
Storage	Keep tightly closed in a cool, dry, ventilated place. Protect against moisture and contamination; keep away from incompatible materials. Avoid excessive dust and strong oxidizers. 18 months in unopened original packaging under the stated storage conditions.

Safety and Regulatory

Professional-use technical information. Review the corresponding reference SDS, workplace controls and destination-market requirements. Transport entries apply to the reference identity, form and concentration.

Company Contact

Hainan Zhongxin Chemical Co., Ltd.

Room 1001, Building A, Caohejing Center, No. 1520 Gumei Road, Xuhui District, Shanghai, China.

Tel: +86-21-54265599 | sales@zxchem.com.cn | www.zxchem.com

The information is provided in good faith for professional evaluation. Specifications apply to the stated commercial grade; users must confirm suitability, regulatory compliance and safe handling for their intended application.