



*Specialized in chemicals*

Hefei TNJ Chemical Industry Co.,Ltd.  
B911 Xincheng Business Center,  
Qianshan Rd. Hefei 230022 China  
Tel : (0086) 551 65418695  
Fax: (0086) 551 65418697  
Email: info@tnjchem.com  
Site: www.tnchem.com

## Technical Data Sheet

# Hydroxypropyl Guar Gum

### Product Information

Chemical Name	Hydroxypropyl Guar Gum (HPG)
CAS #	39421-75-5
Formula	*****
Molecular Weight	*****
Synonyms	2-Hydroxypropyl guar gum, Guar gum, 2-hydroxypropyl ether

### Description

HPG- II is made by chemical modification of guar gum as a new kind of low damage fracturing fluid thickener. It is the necessary product in high temperature deep well and fracturing of low permeability oil and gas layer thickening.

### Specification

Name	Hydroxypropyl guar gum
Appearance	Light yellow powder
Moisture	≤9%
Particle size through US 120 Mesh	≥99%
Particle size through US 200 Mesh	≥90%
Viscosity (25°C, 0.48%, FANN35, 300 rpm) cPs	≥32
pH	6.5-7.5
Hydroxypropyl MS	≥0.15

### Applications

HPG- II is mainly used in hydraulic fracturing and pre-fluid in acidizing treatment. It is a kind of low damage fracturing fluid. It has “three low”: low residue, low moisture and low water insolubles. It is easy to be controlled and backflow from formation in the oil field fracturing.

### Packaging

25 kg net weight with trinity paper-plastic compound bag or 900 kg net weight with jumbo bag

### Storage & Handling

Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.*

### Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center  
Qianshan Road, Hefei  
230022 Anhui  
China

Tel : (0086) 551 5418695  
Fax: (0086) 551 5418697  
Email: info@tnjchem.com  
Site: www.tnjchem.com