# Technical Data Sheet



Item Name:

# XG

## PRODUCT INFORMATION

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| **Chinese Name:** | 黄原胶 |
| **Commodity Name:** | Xanthan Gum |
| **Chemical Name:** | Xanthan Gum |
| **Other Name:** | Yellow Adhesive, Xanthomonas Polysaccharide |
| **CAS No.:** | 11138-66-2 |
| **Molecular Weight:** | n/a |
| **Molecular Formula:** | $(C_{35}H_{49}O_{29})_n$ |

## PRODUCT DESCRIPTION

Xanthan Gum is a natural polysaccharide and important biological polymer, also a water-soluble polysaccharide gum. It embrace features of dispersion, emulsification and changes into a stable hydrophilic viscose colloid. It's a superior biological glueset of thickening, suspension, emulsion, stability. It's widely used in oil drilling and mining due to above meentioned features.

## TECHNICAL SPECIFICATION

| Index | Standard |
|---|---|
| Starch, guar gum and derivative | n/a |
| Moisture by wt % | 13.0 max |
| Fineness ≤ 425.5μm by wt % | 95.0 max |
| Fineness ≤ 75μm by wt % | 50.0 max |
| Direct-reading viscosity (300r/min) mpa.s | 11 min (read value ≥55) |
| Direct-reading viscosity (6r/min) mpa.s | 180 min (read value ≥18) |
| Direct-reading viscosity (3r/min) mpa.s | 320 min (read value ≥16) |
| Brookfield viscosity (1.5r/min) mpa.s | 1950 min |

## MAIN APPLICATION

High viscosity: It can be used as thickener and stabilizer; Unique rheology: under the effect of shear, the solution viscosity drops rapidly; once stop, the viscosity of the solution will immediately restore; Xanthan Gum solution is very stable to acid & alkali solution, under the condition of acidic and alkaline it also can be used; It has good thermal stability and enzyme stability.

## PACKING, LOADING AND SHELF LIFE

Packing: 25kg PP bag with PE liner
Loading: 25mt/20'fcl w/o pallet
Shelf Life: 36 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

DISCLAIMER

The information provided in this data sheets is for informational purposes only is considered reliable, but Rawchem doesn't guarantee how any other products associated with this information will behave in combination with variables to other matters. It's recommended to make adaptations to local working conditions and to the raw material to be used.