

TouGas Oilfield Solutions GmbH

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## **TG-GBP Gelling Agent**

For Stimulation Fluids

Version 16/07/2020

## **TECHNICAL DATA SHEET**

**Description** TouGas TG-GBP is an ultra clean, fast-hydrating natural guar gum for

fracturing fluid applications. The high quality and high purity of this product means that lower polymer loadings can be achieved and fewer impurities are deposited down-hole, both resulting in cleaner, higher permeability

wells.

TG-GBP builds viscosity rapidly, see the following FANN 35 viscosities: **Functionality** 

40 ppt gel, 2 % KCl water, 1 Minute hydration, R1B1, 511 s<sup>-1</sup>

3 Minutes 36 + 2 cP39±2 cP 5 Minutes 42±2 cP 30 Minutes  $44\pm2$  cP 60 Minutes

TG-GBP can be crosslinked with borate crosslinkers.

How to use Due to its excellent hydration properties, TouGas TG-GBP enables for both

> batch mixing and on-the-fly addition. Typical loadings are in the range of 10 lb/Mgal to 50 lb/Mgal (5 kg/m<sup>3</sup> to 20 kg/m<sup>3</sup>), depending on temperature and water quality. Lab testing to identify best loading is highly

recommended.

**Properties Appearance** Light beige colored powder

> Particle Size (Tyler Mesh) 100 % through 100 mesh

Moisture 6 to 10 wt.% Ash <0.75 wt.% **Heavy Metals** <200 ppm total

pH (1.0 % solution) 6 to 7.5

Viscosity (1.0 % solution) 7000 - 8000 cP (Brookfield RVDV)

For specific safety, handling and toxicity, please see current Material

Safety and

Safety Data Sheet Handling

**Typical Shelf** 

Life

12 months (closed bags, stored at ambient temperature)

Bag (25 kg / 55 lb) **Packaging** 

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