



Galanol® Guar Gums & Derivatives for Oil & Gas

Lucid Colloids Ltd. is premier manufacturer of Guar Gum and its Derivatives since 1958. It is based in India with its Corporate Office in Mumbai and manufacturing plants in Jodhpur and Aurangabad. Lucid has 100% subsidiaries in the USA, Europe and Middle East to handle its Global marketing, distribution and logistical functions:

- Lucid Colloids America Inc., Houston, TX, USA
- Lucid Colloids Europe Ltd., London, UK
- Lucid Colloids Middle East FZE, Sharjah, UAE

Lucid Colloids is a US\$ 150 million Company with 350 employees. Its major sector sales are to Oil & Gas industry in North America since 1980. Lucid's second biggest sector is the Food industry. Currently Lucid supplies product to more than 35 countries and territories. Lucid has the following certifications:

- ISO 9001 (Quality Systems)
- ISO 22000 (Food Safety Management Systems)
- ISO 14001 (Environmental Systems)
- OHSAS 18001 (Occupational Health and Safety Systems)

Products are sold to the Oil & Gas industry in the USA through Lucid America Inc., by direct shipments to customers in the USA. Some buffer inventory is also stocked in Houston, TX.

Lucid manufactures a wide range of Guar Gums and derivatives for use in Oil & Gas in North America under its **Galanol®** Brand :

Product	Description
Galanol® PI Galanol® PH Galanol® PH Super	Drilling Muds and Fluids, Friction Reducer, Flocculation of drill cuttings, Rheology modifier. Available in various viscosities and hydration rates.
Galanol® 501	High Viscosity Fast Hydrating Guar for Fracturing Fluids, 3 mins / 60 mins Fann viscosity = 35 /40 cps.
Galanol® 511	High Viscosity Fast Hydrating Guar for Fracturing Fluids, 3 mins / 60 mins Fann viscosity = 40 /45 cps.
Galanol® D-101	Hydroxypropyl Guar (HPG), MS ~ 0.35 - 0.4
Galanol® 2332	Carboxymethyl Hydroxypropyl Guar (CMHPG) CM DS ~ 0.10 - 0.15, HP MS ~ 0.2 – 0.3

Note: Individual Data Sheets and MSDS available on request.