



APCOL FH40

HIGH VISCOSITY GUAR GUM POWDER

PRODUCT DATA SHEET

APEX PRODUCT DESCRIPTION

APEX Resources is an industry leader in the development of industrial-grade water-soluble polymers, designed for a variety of industries. Our Guar powders yield targeted hydration rates, which have excellent dispensability in both water and mineral oil to produce excellent fracking slurry for the Oil & Gas Industry.

APCOL FH40 is a clean, natural guar gum for fracturing fluid applications. APCOL FH40 has excellent hydration properties that allow for both batch mixing and on-the-fly addition. The high quality and high purity of this product means that both lower polymer loadings can be achieved and fewer impurities are deposited downhole, in each case, resulting in cleaner, higher permeability wells.

The APEX product provides a number of benefits for the end-user, including:

- Builds high viscosity quickly.
- Provides greater flexibility with chemical activators.
- Cleaner polymer for less downhole residue, with greater permeability and more efficient production.
- Generates sufficient viscosities so less polymer can be used on the job and cleanup is improved.
- Can be sold in a slurry form in various base oils including mineral oil or synthetic oils.

APEX APCOL FH40 PROPERTIES*

Appearance	Light beige color powder
Particle Size (Tyler Mesh)	100% minimum through 200 mesh
Moisture, Wt. %	3.5 – 6.0
Ash, Wt. %	1.0 – 3.0
pH of 1.0% Solution	6.0 – 7.5
Heavy Metals	< 200 ppm total maximum
Viscosity, 1% of Solution	6500 – 8000cps (Brookfield RVDV)

**Typical product properties, should not be considered specifications.*

FANN 35 VISCOSITY

40 ppt gel, 2% KCl water, 2.5 minute hydration at 2500 RPM, R1B1, 300 RPM:

3 min	40 – 41 cps
5 min	40 – 42 cps
30 min	42 – 43 cps
60 min	44 – 46 cps

All testing should be conducted once product has been approved for use.

PACKAGING

APCOL FH40 is available in 50 lbs., 500 kg or 2000 lbs. bags, or bulk. Please contact your APEX Resources Sales Representative for packaging options.

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