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April 2014

## *Oil & Gas*

# ETS Industrial Grade Guar Gum Powder Specifications

SPECIFICATION	ETS 35/40 FHG	ETS 40/45 FHG	ETS 45/50 Premium FHG
<b>GRADE</b>	Fast Hydrating: 200 Mesh / 35-40 cPs	Fast Hydrating: 200 Mesh / 40-45 cPs	Fast Hydrating: 200 Mesh / 45-50 cPs
<b>APPEARANCE</b>	Fine Powder	Fine Powder	Fine Powder
<b>CHEMICAL ANALYSIS:</b>	Min - Max	Min - Max	Min - Max
Moisture (%)	0.00 - 7.00	0.00 - 5.00	0.00 - 5.00
Ash (%)	0.00 - 1.00	0.00 - 1.00	0.00 - 1.00
Protein (%)	0.00 - 5.00	0.00 - 5.00	0.00 - 5.00
R.I.A. (%)	0.00 - 5.00	0.00 - 5.00	0.00 - 5.00
pH	6.50 - 8.00	6.50 - 8.00	6.50 - 8.00
<b>GRANULOMETRY:</b>	Min	Min	Min
Thru 200 Mesh (%)	> 97.00	> 97.00	> 98.00
<b>FANN VISCOSITY:</b> <i>FANN 35 Viscometer 300 rpm</i>	10 gm KCL, 2.4 gm G.G.P. 500 ml water, 2 minutes at 2,000 rpm		
3 min (cPs)	34.00 - 36.00	39.00 - 41.00	44.00 - 46.00
60 min (cPs)	39.00 - 41.00	44.00 - 46.00	49.00 - 51.00
<b>PACKAGING:</b>	Jumbo HDPE Bags (2000 lbs); Palletized (double/single stacks), strapped & shrink wrapped, fumigated per USDA or per buyers request		