AMCOL SPECIALTY MINERALS

TECHNICAL DATA

SG 40

Application: Industrial Filler / Rheology modifier

Grade: 200 Mesh Powder or granules

TYPICAL ANALYSIS

General Description	SG-40 is a high efficiency modified natural Sodium Bentonite. It is available in either a Granular or Powdered form.
Functional Use	SG-40 is a high viscosity clay, suitable for a range of industrial applications. In its granular form, SG-40 is intended for use in containing water which is relatively uncontaminated, such as Lagoons, fresh water lakes, reservoirs, etc. It is designed to achieve an effective seal at substantially lower addition rates to untreated Sodium Bentonite. Its effectiveness is however limited when containing waste water with high levels of salt, acid or alkali contamination
Moisture	Maximum 12% as shipped.
Solubility	Insoluble in water or alcohol; 1g of clay produces a surface area greater than 750 m^2 when fully dispersed
Dry Particle Size (Powder)	Maximum 5% retained on 200 mesh (75 microns).
Dry Particle Size (Granular)	Maximum 15% retained on 850 micron. Maximum 15% less than 75 micron
pH	8.5 to 10.5 @ 5% solids.
Viscosity	1 part bentonite to 15 parts deionized water (6.25% solids) dispersed on high-speed mixer. Fann viscometer 15 – 25 cps. typical..

Elemental Analysis (Moisture Free)				
	SiO_2	63.02%	Al_2O_3	21.08%
	Fe_2O_3	3.25%	FeO	0.35%
	MgO	2.67 %	Na_2O	2.75%
	CaO	0.65 %	Trace	0.72 %
	LOI	5.64 %		

Packaging	Multi-wall paper bags (25 kg), or bulk