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# **Technical Data Sheet**

Organo Clau

## Characteristics

Bentogel BG Series rheological additives are produced from Na-bentonite and Ca-bentonite by puring and modifying. It has high gel efficiency, good viscosity repeatability, perfect anti-sediment and thickening ability when it is used in organic solvents. Bentogel BG Series rheological additives have excellent thixotropic property, fine dispersion, good sag resistance, wide solvent polarity range.

	So	lvent Polari	ty Ranges of	Bentogel Pro	dueis				
Low polarity	Middle	Polarity	High Polarity alcohol, ketone, ester						
fatty group	aromatio	compounds							
white oil	paraffin oil	methylbenzene		low molecular weight					
naphta hexane heptane	white alcohol mineral spirit	chian turpentine dimethyl benzene styrene	ethyl acetate propyl acetate glycol	phthalate ethyl methyl ketone butyl alcohol	dimethyl ketone dibutyl ester propylene carbonate	alcohol propyl alcohol buthyl alcohol hexone			
10.76 (19)	BG 3	2				pre-gel			
Anthropis in the Spanish		BG 6							
				BG 5					
			BG 3B						
		BG 4	and the second of the second		easy disperse				
			BG 6C						
			ВС	3 6D					

## **Applications**

Bentogel BG Series rheological additives are used in paint, ink, sealant, lubricating grease, putty, unsaturated polyester putty, cosmetics, anticorrosion paint, industrial paints and agricultural chemicals.

### **Packaging**

25 Kg's multi layer paper - PE bag.

#### Storage

Store it in cool, dry place.

Magnesium Oxide • Sulfur • Waxes • Barium Sulfate • Alumina Trihydrate • Solvents • Zinc Oxide • Calcium Carbonates Mica • Aromatic, Naphthenic, Paraffinic Process Oils • Gilsonite • Kaolin Clay • ASTM Reference Oils • Zinc Dust Rubber Accelerators • EPDM • Precipitated Silica • Zinc Dust • White Oils • Transformer Oils • Metallic Stearates

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Solvent Polarity Range - Dispersion Condition								
ltem	Counter Brand	Solvent Polarity Range	Dispersion Condition					
BG 2	Bentone ® 990	Water in oil emulsified mud, oil mud	Mixed as formulation procedure					
BG 3	Bentone ® 34	Low to middle polarity	Polar activator; alcohol(or methyl alcohol/water(95/5), with the addition to be 30-60% of the organo clay					
BG 3B	Bentone ® 52	Non-polarity and low polarity (200# solvent, coal tar oil) to middle polarity	Polar activator : alcohol(methyl alcohol/water(95/5), with the addition to be 45-60% of the organo clay					
BG 4	Bentone ® SD-1	Low to middle high polarity	Eliminate polar activator					
BG 5	Bentone ® 27	Middle to light polarity	Polar activator: alcohol(methyl alcohol/water(95/5), with the addition to be 30-60% of the organo clay					
BG 6	Bentone ® 38	Low to middle polarity	Polar activator: alcohol(methyl alcohol/water(95/5), with the addition to be 30-40% of the organo clay					
BG 6C	Bentone @ SD-3	Low to middle polarity	Eliminate polar activator					
BG 6D	Bentone ® SD-2	Middle and high polarity	Eliminate polar activator					

Product Species											
ltem Index	BG 2	BG 3	BG 3B	BG 4	BG 5	BG 6	BG 6B	BG 6C	BG 6D	BG 13	BG 16
Appearance	Shallow	Shallow	Shallow	Shallow	Shallow	White	White	Shallow White	White	Shallow White	White
Volatile content %105°C	≤5.0	≤3.5	≤3.5	≤3.5	≤5.0	≤3.5	≤3.5	≤5.0	≤5.0	≤3.5	≤3.5
Fineness % (<76um),%	≥ 98	≥ 98	≥ 98	≥ 98	≥ 98	≥ 98	≥ 98	≥ 98	≥ 98	≥ 98	≥ 98
Fineness (7% Xylene gum, 25°C), Pa.s		≥3.0	≥3.5		≥4.0	≥2.5	≥2.5			≥4.0	
Fineness (5% 200# gum, 25°C), mPa.s		500-1500	1500-3000	4				≥1000		≥3000	
Fineness (5,5% Resin gum 25°C), mPa.s				≥1000			≥800	≥1600	≥1200	≥2000	≥1000
Fineness of dispersion, µm				≤ 60		≤ 70	≤ 65	≤ 65	≤ 65	≤ 70	≤ 50
Colloid Rate %	≥ 95	-	*			•					
Heavy Metal (Pb),mg/kg					######################################	≤ 10				<del></del>	
As content, mg/kg						.≤ 5					

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