

# SUSPENGEL™

High Purity Bentonite

Industrial Grades

Suspengel products are manufactured from the highest quality Western Bentonite reserves. Suspengel products are easy to disperse thixotropes with excellent suspension properties. Strict process control assures our customers of the most consistent products on the market.

# SUSPENGEL

PHYSICAL PROPERTIES				
	SUSPENGEL16	SUSPENGEL30	SUSPENGEL200	SUSPENGEL325
% Passing #12 Mesh (dry)		1.9		
% Passing #16 Mesh (dry)	1.9			
% Passing #40 Mesh (dry)	91.0			
% Passing #70 Mesh (dry)	4.0			
% Passing 200 Mesh (dry)	0.3	12.0	80.0	
% Passing 325 Mesh (dry)				98.0
% Passing 200 Mesh (wet)			98.0	
% Passing 325 Mesh (wet)			95.0	99.0
Specific Gravity	2.5	2.5	2.5	2.5
pH (6%)	9.0	9.0	9.0	9.0
Moisture %	9.0	9.0	8.0	7.0
Apparent Viscosity CPS			9.5	12.5
Plastic Viscosity (FV)			9.0	10.0
Yield Point, LB/100 ft <sup>2</sup>			1.0	5.0
Base Exchange Capacity ME/100G	105	105	105	105
Oil Absorption ASTM D 281-31, LB/100 LB			38.0	41.0
Surface Area N <sub>2</sub> Absorption			20SQ M/GR	20SQ M/GR
Bulk Density	85.0	76.0	72.0	60.0
LOI	11	11	11	12

## CHEMICAL ANALYSIS

SiO <sub>2</sub>	63.3	CaO	0.7
Al <sub>2</sub> O <sub>3</sub>	21.4	Na <sub>2</sub> O	2.7
Fe <sub>2</sub> O <sub>3</sub>	3.8	K <sub>2</sub> O	0.3
MgO	2.0		

## TYPICAL INDUSTRIAL USES

- Agricultural Products
  - Pesticides
  - Fertilizers
  - Fungicides
- Coatings Markets
  - Rheological additive
  - Suspension
- Paper Industry
  - Suspension
  - De-Inking
- Industrial Markets
  - Ceramics
  - Adhesives
  - Caulks
  - Sealants
  - Foundry/Refractory
- Environmental Applications
  - Water Treatment
  - Waste Treatment
  - Pond/Lake Sealing

# SUSPENGEL PLUS

PHYSICAL PROPERTIES		
	SUSPENGEL 200 PLUS	SUSPENGEL 325 PLUS
% Passing 200 Mesh (dry)	80.0	
% Passing 325 Mesh (dry)		98.0
% Passing 200 Mesh (wet)	98.0	
% Passing 325 Mesh (wet)	95.0	99.0
Specific Gravity	2.5	2.5
pH (6%)	9.0	9.0
Moisture %	8.0	7.0
Apparent Viscosity CPS	18.0	20.0
Plastic Viscosity (FV)	12.0	14.0
Yield Point, LB/100 ft <sup>2</sup>	16.0	12.0
Base Exchange Capacity ME/100 G	98.0	98.0
Oil Absorption ASTM D 281-31, LB/100 LB	34.0	37.0
Surface Area N <sub>2</sub> Absorption	20SQ M/GR	20SQ M/GR
Bulk Density	72.0	61.0
LOI	14	16

## CHEMICAL ANALYSIS

SiO <sub>2</sub>	63.3	CaO	0.6
Al <sub>2</sub> O <sub>3</sub>	21.4	Na <sub>2</sub> O	2.5
Fe <sub>2</sub> O <sub>3</sub>	3.8	K <sub>2</sub> O	0.3
MgO	2.3		

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Post Office Box 250  
Cartersville, Georgia 30120  
Customer Service - (800) 852-6868 • Fax - (770) 386-6785  
[www.cimbar.com](http://www.cimbar.com)