

Rheology Modifiers

Typical Properties

<i>Specialty Clays of Distinction</i>	Magnesium Aluminum Silicates					White Bentonite	Bentonite	
	S	F	HS	HV	K	Polargel NF	Volclay HV NF-BC	
Form								
Hydro classified	✦	✦		✦	✦	✦	✦	
Air classified							✦	
Flakes	✦		✦	✦	✦			
Micronized Powder	✦	✦	✦	✦	✦	✦	✦	
Conformity	USP/NF	USP/NF	USP/NF	USP/NF	USP/NF	USP/NF	USP/NF	
Typical Properties								
pH Range of use	(5-10)	(5-10)	(3.5-13)	(5-13)	(3-13)	(4-12)	(4-12)	(4-12)
Classification* (INCI)	M.A.S	M.A.S	P.B.	M.A.S	M.A.S	P.B.	B	B
Density g/cm ³	0.89	0.89	0.90	0.91	0.95	0.88	0.88	0.93
Al/Mg Ratio	0.5-1.2	0.5-1.2	3.5-5.5	0.5-1.2	1.4-2.8	3.5-5.5	3.5-5.5	3.5-5.5
Typical Level of Use	(1-3)%	(1-5)%	(2-5)%	(1-3)%	(1-3)%	(2-5)%	(0.5-2)%	(0.5-2)%
Brookfield Viscosity (cps) @ 60 rpm	225-600	150-450	40-200	800-2,200	100-300	80-250	800-2400	50-300
Dispersion	5%	5%	5%	5%	5%	5%	5%	5%

*Classifications: M.A.S. = Magnesium Aluminum Silicate