

Magnabrite[®] T

Application: Thixotropic dispersing agent for pigments

Grade: White flakes, mixture of smectite clays

TYPICAL ANALYSIS

General Description	Highly-purified, selected blend of white smectite clays supplied as small flakes to ease dispersion – Technical grade.		
Functional Use	Used whenever an inorganic, thixotropic material is desired to disperse pigments, retard settling, impart body or stabilize emulsions. Magnabrite T is a non-migrating binder which delivers high yield values that enable the successful suspension of high-density pigments and particles		
Purity	Magnabrite T is specially produced to control both purity and performance		
Chemical Formula	A trioctahedral smectite, an expanding layer silicate (Ca,Na) _{0.33} (Mg _{2.66} , Li _{0.33})Si ₄ O ₁₀ (F,OH) ₂		
Brightness	78 minimum	Texture	Soft, slippery
Moisture	10% Maximum	Odour	None
Viscosity	800 - 2200 cps @ 5% solids	Taste	None
Spec. Gravity	2.6	Colour	White to off-white
pH	9.0 - 11.0 @ 2% solids		
Solubility	Insoluble in water or alcohol; 1g of clay produces a surface area greater than 750 m ² when fully dispersed		
Dry Particle Size	99.00% less than 220 mesh (74 micron)		
Wet Particle Size	99.75% less than 200 mesh (74 micron) 99.00% less than 325 mesh (44 micron)		
Elemental Analysis (Moisture Free)	SiO ₂ 70.93%	Al ₂ O ₃ 10.33%	
	MgO 9.17%	Fe ₂ O ₃ 1.51%	
	CaO 5.23%	Na ₂ O 1.02%	
	K ₂ O 0.76%	LOI 5.1%	
Packaging	5 ply Multi-wall, poly lined, moisture resistant bags (25 kg)		

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