Atlantex 9290

Specialty calcined kaolin

Product Description

Atlantex 9290 is an engineered and structured calcined kaolin that has been dehydroxylated by precisely-controlled heat-treatment for removal of crystalline-bound hydroxyl groups to maximally keep reactivity of kaolin and efficiently improve performance.

Application information

Due to its high reactivity, Atlantex 9290 demonstrates very high opacity, medium oil absorption and excellent dispersion. It is recommended for use in formulations where demands for such properties are high. In coatings industry, it can maximally replace TiO_2 and impart excellent opacity and color extension while maintaining film properties.

Atlantex 9290 also demonstrates excellent ink receptivity in specialty paper application like card paper. Atlantex 9290 also works well in electro-deposition coatings due to its low salt content and superior salt spray resistance property.

Physical Properties	
Physical Form	Highly Pulverized Powder
GE Brightness (%)	92.00 Min
ISO Brightness(%)	90.00 Min
Sedigraph Particle Size (%<2μm)	≥84.00
Screen Residue, +325 Mesh (%)	0.003 Max
Free Moisture @ 105 deg C (%) as produced	0.50 Max
pH (28% solids)	5.0-7.0
Specific Gravity (g/cm^3)	2.63
Dispersability（μm）	≤45
Oil absorption（g/100g）	70.0-80.0
Hegman	4.5+
Total acid solubility（%）	≥40.00

Chemical composition

SiO_2	Al_2O_3	Fe_2O_3	TiO_2	CaO	Na_2O	K_2O	MgO
52.00±2	**45.00±2**	**≤0.50**	**≤0.80**	**≤0.50**	**≤0.20**	**≤0.10**	**≤0.20**

The above typical properties are for general information only and should not be used for specification purposes. Performance characteristics may vary depending on specific application. All products should be tested in customer's formulation prior to use.