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ASP[®] NC X-1

Hydrous Delaminated Aluminum Silicate

Product Description

ASP NC X-1 kaolin is a spray-dried, delaminated grade of aluminum silicate. ASP NC X-1 is chemically inert and has been specially modified with dispersants for ease of dispersion.

Application Information

ASP NC X-1 kaolin has a delaminated structure which improves stain resistance and washability in paints. It also improves mud-crack resistance while reducing porosity. It is an excellent TiO₂ extender and improves the opacity of paints. It provides synergistic properties when used in combination with calcined kaolins such as Satintone[®] Whitetex or Mattex[®]. ASP NC X-1 provides good reinforcement in a wide variety of polymeric systems. The delaminated platelets of ASP NC X-1 are ideal for applications requiring barrier resistance. Its neutral pH has a minimal effect on cure rates when compounded into cross-linked polymeric systems. Typical applications include interior flat and eggshell paints, and mechanical rubber goods.

Physical Properties	Typical Value
Physical Form	Spray-dried Beads
Special Modifications	Dispersants
GE Brightness (%)	87
Screen Residue, 325 Mesh (%)	0.01
Free Moisture (%) measured at 105°C	1.0
pH (20% solids)	7
Median Particle Size, Sedigraph (µm)	0.7
Specific Gravity (g/cm ³)	2.58
Bulk Density, Loose lb/ft ³ (kg/m ³)	40 / 650
Bulk Density, Tamped lb/ft ³ (kg/m ³)	55 / 890
Oil Absorption, Rubout (ASTM D-281)	45

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