

PoleStar® 450

PoleStar® 450 is a dehydroxylated aluminum silicate produced by a controlled, high-temperature heating of a water-fractionated kaolin. PoleStar 450 was specifically designed for use as a filler in polyvinyl chloride electrical insulation.

PoleStar 450 predominately meta-kaolin, greatly improves the volume resistivity of polyvinyl chloride insulation compounds under both wet and dry conditions. PoleStar 450 is found in applications such as:

- Electrical Grade PVC
- Urethanes

TYPICAL PROPERTIES

Source	Sandersville, GA
Brightness (G.E. % of MgO)	85
Mean Particle Size(µm)	1.5
Oil Absorption (g/100g)	60
Free Moisture (wt. %)	1.0
pH, 20 % Solids	4.7
Specific Gravity	2.62
Refractive Index	1.62
Wet Screen Residue (325 Mesh) (%)	0.03
Bulk Density (lbs/cu ft)	
Loose	9.2
Packed	12.2



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