

BURGESS 5178

SURFACE MODIFIED CALCINED ALUMINUM SILICATE

BURGESS 5178 has been specially designed to provide excellent wet and dry electrical properties through a proprietary surface treatment.

BURGESS 5178 is hydrophobic and a chemical bond between the calcined clay and the polymer exists. Dispersion characteristics also dramatically improve over non-treated counterparts.

Typical Physical Properties

GE Brightness % 90.0

325 Mesh Residue % 0.03

Average Particle Size Sedigraph 1.5 μ

Free Moisture % Max 0.5

Specific Gravity 2.63

Refractive Index 1.62

pH (20% Solids) N/A

Typical Chemical Properties

Loss On Ignition % 0 – 1.0

Silica (SiO₂) % 51.0 – 52.4

Alumina (Al₂O₃) % 42.1 – 44.3

Iron Oxide (Fe₂O₃) % Trace

Titanium Dioxide (TiO₂) % 1.56 – 2.50

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