

BURGESS 2211

SURFACE MODIFIED CALCINED ALUMINUM SILICATE

BURGESS 2211 has been specifically developed for use in mineral filled nylon applications. Burgess 2211, amino silane treated Icecap K, offers dramatic advantages in physical properties compared to untreated fillers. Low warpage and high impact strengths are key advantages.

BURGESS 2211 offers functionality and savings in other thermoplastics as well such as polyterephthalate, urethane, PVC, polyester, and other.

Typical Physical Properties

GE Brightness % 90.0

325 Mesh Residue % Max 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) 9.5

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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