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Translink® 555

Calcined Surface-modified Aluminum Silicate

Product Description

Translink 555 is an ultra-fine particle-size calcined kaolin grade featuring very high brightness. It has been dehydroxylated by controlled heat treatment to remove crystalline-bound hydroxyl groups and to improve brightness. Translink 555 is highly pulverized for ease of dispersion and is surface treated with an amino functional additive.

Application Information

Translink 555 is a higher-performance reinforcing extender when compared to Translink 445. Its low residue and finer particle size offer excellent impact strength in engineered polymers. Translink 555 is designed to be compatible in polyamides, polyester epoxies, phenolics and other polar polymers. It reduces water absorption while increasing tensile strength, flexural strength, and the heat deformation temperature. It also improves dimensional stability when compounded in polymeric systems to a higher degree than Translink 445. Typical applications include polyamides (6, 66 and blends), TPE/ TPO, epoxy and polyurethane coatings.

Physical Properties	Typical Value
Physical Form	Highly Pulverized Powder
Special Modifications	Dehydroxylated/ Surface-modified
GE Brightness (%)	91
Screen Residue, 325 Mesh (%)	0.02*
Free Moisture (%) measured at 105°C	0.5
pH (20% solids)	9
Median Particle Size, Sedigraph (µm)	0.8*
Specific Gravity	2.63
Bulk Density, Loose lb/ft³ (kg/m³)	13 / 210
Bulk Density, Tamped lb/ft³ (kg/m³)	21 / 340
Oil Absorption, Rubout (ASTM D-281)	85

Revised April 2021 ©2022

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