



KaMin LLC
 822 Huber Road
 Macon GA 31217
 Main 478-750-5410
 www.kaminsolutions.com

Translink® 37

Calcined Surface-modified Aluminum Silicate

Product Description:

Translink 37 is a fine particle-size kaolin grade featuring high brightness. It has been dehydroxylated by controlled heat treatment for removal of crystalline-bound hydroxyl groups and to improve brightness. Translink 37 is both highly pulverized, to reduce residue, and treated with a vinyl functional additive, to achieve better dispersion.

Application Information:

Translink 37 is a high-performance reinforcing extender designed to reduce water transmission in EPDM and EPR polymer systems when used in electrical applications. The reduction in residue improves electrical insulative properties as well as extrusion processability. Translink 37 provides excellent initial and aged wet electrical properties. It is recommended for use with peroxide cure systems. Typical applications include phenolics, EPR power cables, pharmaceutical rubbers, polyester gel coats, electrical connectors, electrical capacitors, TPE/TPO, wire jacketing and silicone rubber.

Physical Properties	Typical Value
Physical Form	Highly Pulverized Powder
Special Modifications	Dehydroxylated/ Surface-Modified
GE Brightness (%)	90
Screen Residue, 325 Mesh (%)	0.02*
Free Moisture (%) measured at 105°C	0.5
pH (20% solids)	N/A
Median Particle Size, Sedigraph (µm)	1.4*
Specific Gravity	2.63
Bulk Density, Loose lb/ft³ (kg/m³)	20 / 320
Bulk Density, Tamped lb/ft³ (kg/m³)	35 / 560
Oil Absorption, Rubout (ASTM D-281)	50
Hegman	N/A
Refractive Index	1.62
Bulking Value, lb/gal (kg/liter)	21.9 / 2.62

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