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## Polyfil<sup>®</sup> WC Treated Kaolin Clay

### PRODUCT DESCRIPTION

**Application** - Polyfil WC clay is an organo-functional calcined kaolin clay used in Wire and Cable and other thermoplastic applications. It is designed to reduce water vapor transmission, yields excellent wet and dry electrical properties, and also good long-term stability in EPR and cross-linked polyethylene. Calcined clays impart have low conductivity due to the elimination of bound water during the calcined process. Compounds with calcined clays extrude smoothly and reduce stickiness in processing.

**Type** – treated, anhydrous aluminum silicate

**Physical Form** – Finely milled powder

### TYPICAL PHYSICAL PROPERTIES

Brightness, % Reflectance (TAPPI).....	91
Moisture, 105°C, max., as produced, %.....	0.5
Screen Residue, 325 mesh, max., % .....	0.01
pH, (28%) .....	6
Color.....	White
Average Stokes Equivalent Particle Diameter, microns .....	1.4
Specific Gravity .....	2.6
Surface Area, BET, m <sup>2</sup> /g .....	7 - 9
Oil Absorption, g/100g .....	54
Crystalline Silica (quartz), %.....	<0.10
Shipping Point.....	Macon, GA

The above data are representative data for this product and should not be perceived as specifications or maximum/minimum values.

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