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## Cloisite® 30B

### Typical Physical Properties Bulletin

**Description:**

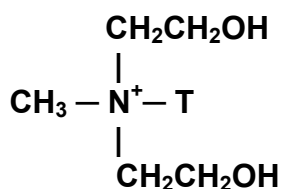
Cloisite® 30B is a natural montmorillonite modified with a quaternary ammonium salt.

**Designed Used:**

Cloisite® 30B is an additive for plastics and rubbers to improve various physical properties, such as reinforcement, CLTE, synergistic flame retardant and barrier.

**Typical Properties:**

<u>Treatment/Properties:</u>	Organic Modifier (1)	Modifier Concentration	% Moisture	% Weight Loss on Ignition
Cloisite® 30B	MT2EtOH	90 meq/100g clay	< 2%	30%



Where T is Tallow (~65% C18; ~30% C16; ~5% C14)

**Anion: Chloride**

(1) MT2EtOH: methyl, tallow, bis-2-hydroxyethyl, quaternary ammonium

Typical Dry Particle Sizes: (microns, by volume)

10% less than:	50% less than:	90% less than:
2µm	6µm	13µm

Color: Off White

Density:

Loose Bulk, lbs/ft <sup>3</sup>	Packed Bulk, lbs/ft <sup>3</sup>	Density, g/cc
14.25	22.71	1.98

X Ray Results:  $d_{001} = 18.5\text{\AA}$

For additional information or technical assistance contact Southern Clay Products, Inc. toll free at 800-324-2891.

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