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**Cloisite® 15A****Typical Physical Properties Bulletin****Description:**

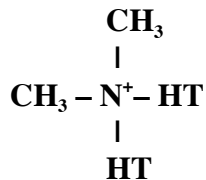
Cloisite® 15A is a natural montmorillonite modified with a quaternary ammonium salt.

**Designed Used:**

Cloisite® 15A is an additive for plastics to improve various plastic physical properties, such as reinforcement, HDT, CLTE and barrier.

**Typical Properties:**

<u>Treatment/Properties:</u>	Organic Modifier (1)	Modifier Concentration	% Moisture	% Weight Loss on Ignition
Cloisite® 15A	2M2HT	125 meq/100g clay	< 2%	43%



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

**Anion: Chloride**

(1) 2M2HT: dimethyl, dehydrogenated tallow, 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
10.79	18.64	1.66

X Ray Results:  $d_{001} = 31.5\text{\AA}$

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

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