



500 SERIES TALC

Description and Applications

500 series products are highly lamellar Texas talcs available in two economical brightness grades:

MB - Medium Brightness

HB - High Brightness

Used in a Wide Variety of Industrial Applications Including:

- Paint & Coatings to provide desired rheological properties (brushability, leveling, and anti-sag), dry hiding power, gloss control, flattening efficiency, exterior durability and good moisture barrier properties.
- Adhesives, Caulks, & Putties, Sealants, Lubricants and Joint Compounds. Talc used as a reinforcing filler, rheological control agent, spreadability, good sanding and moisture barrier properties.
- Plastics for reinforcement, increase heat distortion and crystallization temperature, reduce part shrinkage, bubble nucleation, anti-block in PE and parting agent.
- Rubber compounds as a processing aid, reinforcing filler, permeability barrier, electrical modifier and partitioning agent.

Typical Properties

Median Partical Size (microns)	4.0
Hegman Fineness	5
Oil Absorption (g/100g oil)	37
Surface Area (m ² /g)	11
Bulk Density (lbs/ft ³)	13
Tap Density (lbs/ft ³)	38
% Free Moisture	< 1%
Specific Gravity (g/cc)	2.8

Dry Brightness (L Value)

MB	90
HB	93

Typical Chemical Analysis

MgO	27%
SiO ₂	45%
CaO	10%
Al ₂ O ₃	< 0.5%
K ₂ O	< 0.3%
Fe ₂ O ₃	< 0.25%
Loss on Ignition	20% @ 1000°C

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