

BSI #399 - Talc - Low Micron

Coatings - Micronized talc may be used in paints and coatings as an extender pigment. The presence of micronized talc modifies the rheological properties, surface characteristics of the wet and dried films and increases the chemical resistance and weatherability of the coating.

Plastics - Micronized talcs are used as fillers and reinforcing agents in thermo-plastic and thermoset polymers. The presence of the talc modifies the rheological and physical properties of the polymer.

Ceramics - Talcs used in ceramic applications are low in iron and carbonates. The incorporation of talc into ceramic compositions enables the use of lower firing temperatures and quicker firing schedules in the production of ceramic articles such as, floor and wall tiles, plumbing fixtures, catalytic converter substrates, electrical insulators, spark plug bodies, vitreous china, etc.

Code 399
Type Low Micron
C.A.S. Number: 14807-96-6

HANDLING PRECAUTIONS:

Please refer to the 399 Material Safety Data Sheet.

CHEMICAL PROPERTIES:	
SiO₂ - Silicon Dioxide (%)	61.0
MgO - Magnesium Oxide (%)	31.0
Al₂O₃ - Aluminum Oxide (%)	1.0
Fe₂O₃ - Ferric Oxide (%)	1.3
CaO - Calcium Oxide (% max)	0.5
Moisture (% max)	0.5
Loss on Ignition (%)	5.5
pH Value	8.8
PHYSICAL PROPERTIES:	
Median Particle Size (microns)	1.2
Dry Brightness	89.5
Specific Gravity	2.80
Tapped Density (lbs/ft³)	22.6
Loose Density (lbs/ft³)	7.5
Oil Absorption	54
Hegman Fineness	6.0
% Thru 325 Mesh	100

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Brenntag Specialties, Inc. / 1 Cragwood Rd, Suite 302, South Plainfield, NJ 07080 / 800.732.0562