

SNOW WHITE™ Calcium Sulfate Filler



- Low abrasion to processing equipment
- Resistance to mild acids
- Good surface appearance
- Designed to reduce shrinkage

Description

SNOW WHITE filler, anhydrous calcium sulfate, is made by high temperature calcination of select, high purity gypsum which is then ground and air separated into a bright, white powder.

SNOW WHITE filler is used in a variety of polymeric and cementitious systems.

SNOW WHITE filler is available in 50 or 100 lb. bags or bulk from our plant in Southard, Oklahoma.

Typical Physical Properties

- Specific Gravity:** 2.96
- Mohs Hardness⁽¹⁾:** 2-3
- Loose Bulk Density (lbs./ft.³):** 50
- Packed Bulk Density (lbs./ft.³):** 70
- pH—10% Slurry:** 10.4
- Refractive Index⁽¹⁾:** 1.58
- Oil Absorption⁽²⁾:** 25-27
- Reflectance⁽³⁾:** 91.4, -1.0, 1.0
- Median Particle Size (microns)⁽⁴⁾:** 7.0
- Top Particle Size (microns):** 150

Typical Chemical Analysis

	%
CaSO ₄	98.7
CaCO ₃ • MgCO ₃	0.5
CaCO ₃	0.3
Aggregate	0.3
Free Moisture at 45 °C ⁽⁵⁾	0.10
Combined Moisture at 225 °C ⁽⁵⁾	0.35

- (1) Literature value
- (2) ASTM D1483, Gardner Coleman method, gm oil/100 gm filler
- (3) HunterLab D25-PC2 Colorimeter L,a,b values
- (4) Micromeritics Sedigraph 5000 ET Particle Size Analyzer
- (5) Computrac Max 50 Moisture Analyzer

Typical Particle Size Data

Sieve Analysis⁽¹⁾

	%
Through 50 mesh (300 microns)	100.0
Through 100 mesh (150 microns)	100.0
Through 200 mesh (75 microns)	99.9
Through 325 mesh (44 microns)	99.3
Through 425 mesh (32 microns)	97.7

Weight Distribution⁽²⁾

% Smaller Than	%
20 microns	95.0
10 microns	70.0
7 microns (median)	50.0
5 microns	39.0
2 microns	22.0
1 micron	14.0

- (1) Alpine Jet Air Sieve Model 200
- (2) Micromeritics Sedigraph 5000 ET Particle Size Analyzer

Warning

When mixed with water, this material hardens sometimes quickly, and will become very hot. DO NOT attempt to make a cast enclosing any part of the body using this material. Failure to follow these instructions can cause severe burns that may require surgical removal of affected tissue or amputation of limb. Dust can cause eye, skin, nose, throat, or respiratory irritation. Avoid eye contact and inhalation of dust. Wear eye protection. If eye contact occurs, flush thoroughly with water. If dusty, wear a NIOSH/MSHA-approved respirator. Use proper ventilation to reduce dust exposure. Do not ingest. If ingested call physician. Product safety information: USA (800) 507-8899.

KEEP OUT OF REACH OF CHILDREN.

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