

USG SNOW WHITE® BRAND ANHYDROUS CALCIUM SULFATE FILLER

DESCRIPTION

USG Snow White® Brand Anhydrous Calcium Sulfate Filler is made by high temperature calcinations of select, high purity gypsum which is then ground and air separated into a bright, white powder. It is used in a variety of polymeric and cementitious system and is available in 50 lb. bags or 2,000 lb. semi-bulk or bulk from USG's Southard, Oklahoma plant.

USG Snow White Anhydrous Calcium Sulfate Filler offers low abrasion to processing equipment, is resistant to weak acids and has a lower specific gravity than barium sulfate. In addition, it contributes to desired expansion, green strength and controllable set in specialty cement applications.

TYPICAL PHYSICAL PROPERTIES

Specific Gravity	3.0
pH—10% Slurry	10.4
Mohs Hardness⁽¹⁾	2-3
Refractive Index⁽¹⁾	1.6
Oil Absorption⁽²⁾	25-27
Loose Bulk Density (lbs./ft.³)	50
Packed Bulk Density (lbs./ft.³)	70
L, a, b values⁽³⁾	90.4, 1.2, 3.4
Median Particle Size (microns)⁽⁴⁾	5.5
Top Particle Size (microns)	124
Typical Chemical Analysis	%
CaSO₄	98.7
CaCO₃ • MgCO₃	0.5
CaCO₃	0.3
Aggregate	0.3
Free Moisture at 45 °C (113 °F)⁽⁵⁾	0.1
Combined Moisture at 225 °C (437 °F)⁽⁵⁾	0.5

⁽¹⁾ Literature value

⁽²⁾ ASTM D1483, Gardner Coleman method, g oil/100 g filler

⁽³⁾ HunterLab Colorflex EZ Colorimeter L,a,b values

⁽⁴⁾ Microtrac S3500 FRA

⁽⁵⁾ Computrac Moisture Analyzer Max 2,000, 4,000, 5,000

TYPICAL PARTICLE SIZE DATA

Sieve Analysis ⁽¹⁾	%
Through 50 mesh (300 microns)	100.0
Through 100 mesh (150 microns)	99.9 – 100.0
Through 200 mesh (75 microns)	99.9 – 100.0
Through 325 mesh (44 microns)	97.0 – 100.0

Microtrac Analysis ⁽²⁾ % Smaller Than	%
22 microns	80.0
11 microns	55.0
5.5 microns	30.0
4.62 microns	24.0
1.945 microns	4.0
0.972 microns	0.1

⁽¹⁾ Alpine Jet Air Sieve

⁽²⁾ Microtrac S3500 FRA

STORAGE AND USE

When properly used, USG Snow White Anhydrous Calcium Sulfate Filler is easy to work with. Keep indoors at temperatures between 65 °F – 75 °F (18 °C – 24 °C) and 45% – 55% RH. Do not stack more than two pallets high. Keep from drafts. Rotate stock. USG Snow White Anhydrous Calcium Sulfate Filler should be used within one year of the manufacturing date located on the package. Always follow handling and use directions and safety warnings on the package. USG Snow White Anhydrous Calcium Sulfate Filler is not approved for use in food and pharmaceutical applications.

PRODUCT INFORMATION

See usg.com for the most up-to-date product information.

CAUTION

Dust from mixing may cause irritation to eyes, skin, nose, throat and upper respiratory tract. Use only in a wellventilated area, wear a NIOSH/MSHA-approved respirator. Wear eye protection. If eye contact occurs, flush thoroughly with water for 15 minutes. If on skin: Wash with plenty of water. If swallowed or irritation persists, call a physician. For more information call Product Safety: 800 507-8899 or see the SDS at usg.com

KEEP OUT OF REACH OF CHILDREN.

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SAFETY FIRST!

Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read applicable SDSs and literature before specification and installation.

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