

DICALITE FILTER AIDS

GENERAL INFORMATION: Dicalite 215

SPECIFICATIONS:

Mineralogical	Diatomite
Type	Calcined
Physical Form	Dry powder
Color	Pink to buff
Permeability (PFR _v) ⁽¹⁾	12 – 16 (0.014-0.026 Darcy)
Density, (Wet)	23 – 32 lbs/ft ³
Retained on U.S. Std. Sieve, % ⁽²⁾	
No. 40	Trace
No. 140	max. 3.0

INHERENT PROPERTIES (NOT PART OF THE PRODUCT SPECIFICATIONS):

Moisture Content	max. 0.5 g%
Bulk Density (Dry)	6 – 9 lbs/ft ³
pH	5 – 10
Specific Gravity	2.25
Median Particle Size ⁽³⁾ (microns)	

OTHER INFORMATION:

Shipping point	Basalt, NV
Packaging	50 lbs Bags Standard

- (1) Water permeability flow ratio
(2) Alpine air jet sieve
(3) By Laser Diffraction in H₂O

Specifications

Mineralogical.....	Diatomite–Silicon Dioxide
Type	Calcined
Physical Form.....	Dry Powder
Particle Shape	Various Shapes of Diatom Structures
Color	Pink
Permeability (PFRv) ⁽¹⁾	36-52 (0.12-0.27 darcys)
Max. Density (Wet) lbs./ft ³	27.5
Max. Wt. % Retained on U.S. Std. Sieve No. 40 ⁽²⁾	0.7
Max. Wt. % Retained on U.S. Std. Sieve No. 140 ⁽²⁾	7.0

Inherent Properties (Not Part of Specification)

Moisture Content, Wt. %	<0.5
pH, (10% slurry)	5.0-10.0
Specific Gravity	2.25
Apparent Bulk Density lbs/ft ³	13-19
Median Particle Diameter ⁽³⁾ (µm)	15-18
LOI	<0.5%

Other Information

Shipping Point	Burney, CA
Packaging	50lb. Paper Bag

(1) Water Permeability Flow Rate

(2) Wet Sieve Analysis

(3) Laser Diffraction in Water

For further information please contact your Sales Manager or Technical Services at 866-728-3303 / techservices@dicalite.com

Dicalite Management Group reserves the right to change the above specifications if necessary without notice. This TDS supersedes and replaces any previous information for this product. Please visit www.dicalite.com for the most up-to-date product information.

Specifications

Mineralogical.....	Diatomite—Essentially Silicon Dioxide
Type	Calcined
Physical Form.....	Dry Powder
Particle Shape	Various Shapes of Diatom Structures
Color	Pink to Buff/Yellow
Permeability (PFRv) ⁽¹⁾	16-24 (0.026-0.058 darcys)
Max. Wt. % Retained on U.S. Std. Sieve No. 40 ⁽²⁾	0.2
Max. Wt. % Retained on U.S. Std. Sieve No. 140 ⁽²⁾	1.5

Inherent Properties (Not Part of Specification)

Moisture Content, Wt. %	<0.5
pH, (10% slurry)	5.0-10.0
Specific Gravity	2.25
Apparent Bulk Density lbs/ft ³	7-12
Median Particle Diameter ⁽³⁾ (µm)	14-18

Other Information

Shipping Point	Basalt, NV
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- (1) Water Permeability Flow Rate
- (2) Alpine Air Jet Sieve or Wet Sieve
- (3) Laser Diffraction in Water

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DICALITE FILTER AIDS

TECHNICAL DATA SHEET: Dicalite Speedex

SPECIFICATIONS:

Mineralogical	Diatomite – Essentially SiO ₂
Type	Flux Calcined
Physical Form	Dry powder
Color	White
Permeability (PFR _v) ⁽¹⁾	120 – 140 (1.4-2.0 Darcy)
Density, (Wet)	max. 23.1 lbs/ft ³
Retained on U.S. Std. Sieve, Wt.% ⁽²⁾	
No. 140	max. 12.0

INHERENT PROPERTIES (NOT PART OF THE PRODUCT SPECIFICATIONS):

Moisture Content	<0.5 Wt.%
Apparent Bulk Density (Dry)	14 – 17 lbs/ft ³
pH	8.0 – 11.0
Specific Gravity	2.33
Minimum GE Brightness	85
Median Particle Size ⁽³⁾ (microns)	35 – 39 μm

OTHER INFORMATION:

Shipping point	Burney, CA
Packaging	50 lbs Bags Standard

(1) Water permeability flow ratio
(2) Alpine air jet sieve
(3) By Laser Diffraction in H₂O

DICALITE FILTER AIDS

TECHNICAL DATA SHEET: Dicalite Speedplus

SPECIFICATIONS:

Mineralogical	Diatomite – Essentially SiO ₂
Type	Flux Calcined
Physical Form	Dry powder
Color	White
Permeability (PFR _v) ⁽¹⁾	85 – 105 (0.72-1.1 Darcy)
Density, (Wet)	max. 25.0 lbs/ft ³
Retained on U.S. Std. Sieve, Wt.% ⁽²⁾	
No. 140	max. 8.0
No. 325	max. 27.0

INHERENT PROPERTIES (NOT PART OF THE PRODUCT SPECIFICATIONS):

Moisture Content	<0.5 Wt.%
Apparent Bulk Density (Dry)	15 – 18 lbs/ft ³
pH	8.0 – 11.0
Specific Gravity	2.33
Minimum GE Brightness	85
Median Particle Size ⁽³⁾ (microns)	30 µm

OTHER INFORMATION:

Shipping point	Burney, CA
Packaging	50 lbs Bags Standard

(1) Water permeability flow ratio
(2) Alpine air jet sieve
(3) Typical by Laser Diffraction in H₂O

DICALITE FILTER AIDS

GENERAL INFORMATION: Dicalite UF

SPECIFICATIONS:

Mineralogical	Diatomite
Type	Calcined
Physical Form	Dry powder
Color	Pink to buff
Permeability (PFR _v) ⁽¹⁾	24 – 36 (0.06-0.13 Darcy)
Density, (Wet)	23 – 32 lbs/ft ³
Retained on U.S. Std. Sieve, % ⁽²⁾	
No. 40	max. 0.3
No. 140	max. 6.0

INHERENT PROPERTIES (NOT PART OF THE PRODUCT SPECIFICATIONS):

Moisture Content	max. 0.5 g%
Bulk Density (Dry)	6 – 13 lbs/ft ³
pH	5 – 10
Specific Gravity	2.25
Median Particle Size ⁽³⁾ (microns)	

OTHER INFORMATION:

Shipping point	Basalt, NV
Packaging	50 lbs Bags Standard

(1) Water permeability flow ratio
(2) Alpine air jet sieve
(3) By Laser Diffraction in H₂O