



# VULCASCOT

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## RADIOLITE # 100 TECHNICAL DATA SHEET

Packaging	20 kg kraft paper bag
Description	Calcined diatomite filter aid
Color	Pink
Specific Gravity	2.2

### Typical Physical Properties

Moisture	% Maximum	0.3
pH	7	
Permeability	Darcies	0.04
WetDensity	g/cm <sup>3</sup>	≤0.45
+150Mesh	%	≤1
IgnitionLoss	%	0.5

### Particle Size Distribution (%) Laser

>40 μ	14.6
40-20	34.4
20-10	25.4
10-5	14.5
5-2	8.4
<2	2.7
MedianParticleSizeμ	19.6

### Chemical Analysis (%)

SiO <sub>2</sub>	92.9
Al <sub>2</sub> O <sub>3</sub>	3.9
Fe <sub>2</sub> O <sub>3</sub>	1.4
CaO	0.4
MgO	0.3
Na <sub>2</sub> O	0.3
Others	0.8



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# VULCASCOT

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## RADIOLITE # 200

### TECHNICAL DATASHEET

Packaging	20 kg kraft paper bag
Description	Calcined diatomite filter aid
Color	Pink
Specific Gravity	2.2

#### Typical Physical Properties

Moisture	% Maximum	0.3
pH 7		
Permeability	Darcies	0.1
WetDensity	g/cm <sup>3</sup>	≤0.44
+150Mesh	%	≤2
IgnitionLoss	%	0.5

#### Particle Size Distribution (%) Laser

>40 μ	16.3
40-20	34.3
20-10	24.4
10-5 14.0	
5-2 8.2	
<2 2.8	
MedianParticleSizeμ	20.3

#### Chemical Analysis (%)

SiO <sub>2</sub>	92.6
Al <sub>2</sub> O <sub>3</sub>	4.0
Fe <sub>2</sub> O <sub>3</sub>	1.4
CaO	0.4
MgO	0.3
Na <sub>2</sub> O	0.4
Others	0.9



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## RADIOLITE # 300

### TECHNICAL DATASHEET

Packaging	20 kg kraft paper bag
Description	Calcined diatomite filter aid
Color	Pink
Specific Gravity	2.2

#### Typical Physical Properties

Moisture	% Maximum	0.3
pH 7		
Permeability	Darcies	0.2
WetDensity	g/cm <sup>3</sup>	≤0.43
+150Mesh	%	≤4
IgnitionLoss	%	0.5

#### Particle Size Distribution (%) Laser

>40 μ	17.1
40-20	34.9
20-10	24.2
10-5	14.1
5-2	7.7
<2	2.0
MedianParticleSizeμ	21.8

#### Chemical Analysis (%)

SiO <sub>2</sub>	92.3
Al <sub>2</sub> O <sub>3</sub>	4.2
Fe <sub>2</sub> O <sub>3</sub>	1.4
CaO	0.4
MgO	0.3
Na <sub>2</sub> O	0.4
Others	1.0



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## RADIOLITE # 400 TECHNICAL DATA SHEET

Packaging	20 kg kraft paper bag
Description	Calcined diatomite filter aid
Color	Pink
Specific Gravity	2.2

### Typical Physical Properties

Moisture	% Maximum	0.3
pH 7		
Permeability	Darcies	0.3
WetDensity	g/cm <sup>3</sup>	≤0.43
+150 Mesh	%	≤6
IgnitionLoss	%	0.5

### Particle Size Distribution (%) Laser

>40 μ	17.2
40-20	35.1
20-10	24.3
10-5	14.2
5-2	7.5
<2	1.7
MedianParticleSizeμ	22.2

### Chemical Analysis (%)

SiO <sub>2</sub>	92.7
Al <sub>2</sub> O <sub>3</sub>	4.2
Fe <sub>2</sub> O <sub>3</sub>	1.3
CaO	0.4
MgO	0.3
Na <sub>2</sub> O	0.4
Others	0.7



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# VULCASCOT

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## RADIOLITE # 450 TECHNICAL DATASHEET

Packaging	20 kg kraft paper bag
Description	Flux calcined diatomite filter aid
Color	Pinkish White
Specific Gravity	2.2

### Typical Physical Properties

Moisture % Maximum	0.5
pH 10	
Permeability	Darcies 0.6
WetDensity	g/cm <sup>3</sup> ≤0.43
+150Mesh %	≤7
IgnitionLoss	% 0.5

### Particle Size Distribution (%) Laser

>40 μ	23.3
40-20	33.8
20-10	23.0
10-5	13.2
5-2	4.4
<2	2.3
MedianParticleSizeμ	23.8

### Chemical Analysis (%)

SiO <sub>2</sub>	91.0
Al <sub>2</sub> O <sub>3</sub>	3.5
Fe <sub>2</sub> O <sub>3</sub>	1.4
CaO	0.3
MgO	0.3
Na <sub>2</sub> O	2.7
Others	0.8



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# VULCASCOT

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## RADIOLITE # 500 TECHNICAL DATA SHEET

Packaging	20 kg kraft paper bag
Description	Flux calcined diatomite filter aid
Color	White
Specific Gravity	2.2

### Typical Physical Properties

Moisture % Maximum	0.5
pH 10	
Permeability	Darcies 1.0
WetDensity	$\text{g/cm}^3 \leq 0.43$
+150Mesh %	$\leq 8$
IgnitionLoss	% 0.5

### Particle Size Distribution (%) Laser

>40 $\mu$	29.4
40-20	31.8
20-10	19.7
10-5 10.2	
5-2 6.3	
<2 2.6	
MedianParticleSize $\mu$	25.4

### Chemical Analysis (%)

SiO <sub>2</sub>	90.4
Al <sub>2</sub> O <sub>3</sub>	3.1
Fe <sub>2</sub> O <sub>3</sub>	1.4
CaO	0.3
MgO	0.3
Na <sub>2</sub> O	3.5
Others	1.0



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## RADIOLITE # 600 TECHNICAL DATASHEET

Packaging	20 kg kraft paper bag
Description	Flux calcined diatomite filter aid
Color	White
Specific Gravity	2.2

### Typical Physical Properties

Moisture % Maximum	0.5
pH 10	
Permeability	Darcies 1.6
WetDensity	g/cm <sup>3</sup> ≤0.41
+150Mesh %	≤10
IgnitionLoss	% 0.5

### Particle Size Distribution (%) Laser

>40 μ	30.1
40-20	32.7
20-10	19.7
10-5 9.6	
5-2 5.7	
<2 2.2	
MedianParticleSizeμ	27.0

### Chemical Analysis (%)

SiO <sub>2</sub>	90.4
Al <sub>2</sub> O <sub>3</sub>	3.2
Fe <sub>2</sub> O <sub>3</sub>	1.4
CaO	0.3
MgO	0.3
Na <sub>2</sub> O	3.5
Others	0.9



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# VULCASCOT

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## RADIOLITE # 700 TECHNICAL DATASHEET

Packaging	20 kg kraft paper bag
Description	Flux calcined diatomite filter aid
Color	White
Specific Gravity	2.2

### Typical Physical Properties

Moisture % Maximum	0.5
pH 10	
Permeability	Darcies 2.3
WetDensity	g/cm <sup>3</sup> ≤0.39
+150Mesh %	≤12
IgnitionLoss	% 0.5

### Particle Size Distribution (%) Laser

>40 μ	32.7
40-20	34.2
20-10	19.3
10-5 8.4	
5-2 3.8	
<2 1.6	
MedianParticleSizeμ	29.3

### Chemical Analysis (%)

SiO <sub>2</sub>	89.7
Al <sub>2</sub> O <sub>3</sub>	3.7
Fe <sub>2</sub> O <sub>3</sub>	1.4
CaO	0.4
MgO	0.3
Na <sub>2</sub> O	3.5
Others	1.0



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## RADIOLITE # 800 TECHNICAL DATASHEET

Packaging	20 kg kraft paper bag
Description	Flux calcined diatomite filter aid
Color	White
Specific Gravity	2.2

### Typical Physical Properties

Moisture % Maximum	0.5
pH 10	
Permeability	Darcies 3.0
WetDensity	$\text{g/cm}^3 \leq 0.39$
+150Mesh %	$\leq 15$
IgnitionLoss	% 0.5

### Particle Size Distribution (%) Laser

>40 $\mu$	33.7
40-20	34.1
20-10	19.1
10-5 8.0	
5-2 3.6	
<2 1.5	
MedianParticleSize $\mu$	30.0

### Chemical Analysis (%)

SiO <sub>2</sub> 89.8	
Al <sub>2</sub> O <sub>3</sub>	3.7
Fe <sub>2</sub> O <sub>3</sub>	1.4
CaO 0.3	
MgO	0.3
Na <sub>2</sub> O	3.6
Others	0.9



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# VULCASCOT

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## RADIOLITE # 900

### TECHNICAL DATASHEET

Packaging	20 kg kraft paper bag
Description	Flux calcined diatomite filter aid
Color	White
Specific Gravity	2.2

#### Typical Physical Properties

Moisture % Maximum	0.5
pH 10	
Permeability	Darcies 3.5
WetDensity	g/cm <sup>3</sup> ≤ 0.39
+ 150 Mesh %	≤ 15
IgnitionLoss	% 0.5

#### Particle Size Distribution (%) Laser

>40 μ	34.4
40-20	33.8
20-10	18.9
10-5 7.9	
5-2 3.5	
<2 1.5	
MedianParticleSizeμ	30.2

#### Chemical Analysis (%)

SiO <sub>2</sub>	89.6
Al <sub>2</sub> O <sub>3</sub>	3.8
Fe <sub>2</sub> O <sub>3</sub>	1.4
CaO	0.3
MgO	0.3
Na <sub>2</sub> O	3.7
Others	0.9



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## RADIOLITE # 900S

### TECHNICAL DATASHEET

Packaging	20 kg kraft paper bag
Description	Flux calcined diatomite filter aid
Color	White
Specific Gravity	2.2

#### Typical Physical Properties

Moisture % Maximum	0.5
pH 10	
Permeability	Darcies 5.0
WetDensity	g/cm <sup>3</sup> ≤ 0.39
+ 150Mesh %	≤ 30
IgnitionLoss	% 0.5

#### Particle Size Distribution (%) Laser

>40 μ	44.8
40-20	31.1
20-10	14.5
10-5 5.8	
5-2 2.6	
<2 1.2	
MedianParticleSizeμ	36.8

#### Chemical Analysis (%)

SiO <sub>2</sub>	90.3
Al <sub>2</sub> O <sub>3</sub>	3.8
Fe <sub>2</sub> O <sub>3</sub>	1.3
CaO	0.3
MgO	0.3
Na <sub>2</sub> O	3.1
Others	0.9



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## RADIOLITE # 1100

### TECHNICAL DATASHEET

Packaging	20 kg kraft paper bag
Description	Flux calcined diatomite filter aid
Color	White
Specific Gravity	2.2

#### Typical Physical Properties

Moisture	% Maximum	0.5
pH 10		
Permeability	Darcies	8.0
WetDensity	g/cm <sup>3</sup>	≤0.38
+150Mesh	%	≤40
IgnitionLoss	%	0.5

#### Particle Size Distribution (%) Laser

>40 μ	57.9
40-20	26.2
20-10	9.9
10-5 3.7	
5-2 1.4	
<2 0.9	
MedianParticleSizeμ	45.2

#### Chemical Analysis (%)

SiO <sub>2</sub>	89.6
Al <sub>2</sub> O <sub>3</sub>	3.7
Fe <sub>2</sub> O <sub>3</sub>	1.4
CaO	0.4
MgO	0.3
Na <sub>2</sub> O	3.8
Others	0.8

