

P.V.P. Industries Inc.

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VERMICULITE

TYPICAL SCREEN ANALYSIS % BY VOLUME (NOT CUMMULATIVE)

<u>VERMICULITE #4</u>		<u>VERMICULITE #3</u>		<u>COARSE VERMICULITE</u>		<u>SUPER COARSE VERMICULITE</u>	
8 MESH	0-0%	8 MESH	0-15%	8 MESH	25-50%	4 MESH	30-60%
16	0-3%	16	30-55%	16	20-40%	8	20-50%
30	40-65%	20	15-35%	20	15-30%	16	10-20%
50	20-40%	30	15-3%	30	5-15%	30	2-15%
100	10-30%	50	5-20%	50	5-15%	50	T-5%
PAN	5-20%	100	3-5%	100	T-10%	100	T-5%
		PAN	T-3%	PAN	T-10%	PAN	T-3%

Typical Physical Properties

Color:

Light to dark brown

Shape:

Accordion-shaped granule Bulk

Density:

64-160 kg/cu m

4-10 lb/cu ft Moisture loss@110 °C (230 °F):4-10% pH (in water):6-9

Combustibility:

Non-combustible Sintering

Temperature:

1150-1250 °C

2100-2280 °F

Fusion point:

1200-1320 °C

2200-2400 °F

Cation exchange capacity:

50-150 me/100g Specific heat:0.84-1.08 kJ/kgK

0.20-0.26 kcal/kgK

0.20-0.26 Btu/lb F

Water holding capacity:

220-325% by wt

20-50% by vol

Element

Percent by Weight

SiO ₂	38-46
Al ₂ O ₃	10-16
MgO	16-35
CaO	1-5
K ₂ O	1-6
Fe ₂ O ₃	6-13
TiO ₂	1-3
H ₂ O	8-16
Other	0.2-1.2

Chemical Formula:



Email contacts:

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