



Sona Meta Chem

Vermiculite

# Vermiculite ( Exfoliated )

VERMICULITE is a natural mineral in silicate form –Silvery white to Golden brown in color

SI	TEST	UNIT	SPECIFICATION	
			MEDIUM GRADE	FINE GRADE
1	SIEVE ANALYSIS	Wt % ret'd		
	+ 2000 micron + 10 ASTM + 8 BSS		--	2.0 max
	+1698 micron + 12 ASTM + 10 BSS		5.0 max	--
	+ 850 micron + 20 ASTM + 18 BSS		7.5 – 55.0	20.0 – 60.0
	- 850 micron - 20 ASTM + 18 BSS		40.0 – 92.5	--
	+ 500 micron + 35 ASTM + 30 BSS		--	30.0 – 70.0
	+ 106 micron + 140 ASTM + 150 BSS		--	15.0 – 30.0
- 106 micron - 140 ASTM - 150 BSS	--	10.0 max		
2	ASH CONTENT	Wt %	90.0 min	90.0 min
3	MOISTURE CONTENT	Wt %	8.0 max	8.0 max
4	BULK DENSITY	Kg / m <sup>3</sup>	110 max	110 max
5	CHEMICAL ANALYSIS			
	SiO <sub>2</sub>		40.0 – 46.0	
	MgO		24.0 – 30.0	
	Al <sub>2</sub> O <sub>3</sub>		6.0 – 10.0	
	Fe <sub>2</sub> O <sub>3</sub>		4.0 – 8.0	
	K <sub>2</sub> O		2.0 – 6.0	
	CaO		2.0 – 6.0	

**SPECIAL GRADES: - Cashew polymer modified with Boron.**

<b>SI</b>	<b>GRADES</b>	<b>ACB 1013</b>	<b>ACB 1015</b>	<b>AC 1017P</b>
<b>1</b>	<b>APPEARANCE</b>	<b>FREE FLOWING GRANULAR POWDER</b>		
<b>2</b>	<b>CLASSIFICATION</b>	<b>20 MESH</b>	<b>20 MESH</b>	<b>30 MESH</b>
<b>3</b>	<b>SCREEN ANALYSIS</b>		<b>Cumulative</b>	
	+ 850 micron + 20 ASTM + 18 BSS	0.0	--	0.0
	+ 600 micron + 30 ASTM + 25 BSS	--	--	10.0 max
	+ 425 micron + 40 ASTM + 36 BSS	15.0 max	0.0	--
	+ 250 micron + 60 ASTM + 60 BSS	10.0 - 35.0	20.0 - 45.0	30.0 - 50.0
	+ 150 micron + 100 ASTM + 100 BSS	15.0 - 35.0	40.0 – 80.0	--
	- 150 micron - 100 ASTM – 100 BSS	15.0 max	40.0 max	--
	+ 120 micron + 120 ASTM + 120 BSS	--	--	30.0 - 50.0
	- 125 micron - 120 ASTM – 120 BSS	--	--	15.0 – 30.0
<b>3</b>	<b>ACETONE EXTRACT</b>	10.0 max	10.0 max	10.0 max
<b>4</b>	<b>ASH CONTENT</b>	11.0 max	11.0 max	11.0 max
<b>5</b>	<b>COLOUR</b>	<b>LIGHT BROWN</b>	<b>LIGHT BROWN</b>	<b>LIGHT BROWN</b>

**NOTE: - These products can be custom made as per customer’s specification or requirement against any parameter. Detailed Technical Data Sheet is available on request for each grade.**