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# VANDERBILT

## *Technical Data*

### VANTALC<sup>®</sup> F-2504

**R.T. Vanderbilt Company, Inc.**  
**30 Winfield Street, P.O. Box 5150, Norwalk, CT 06856-5150**  
**Telephone: (203) 853-1400**  
**Fax: (203) 853-1452, Web Site: [www.rtvanderbilt.com](http://www.rtvanderbilt.com)**

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## VANTALC<sup>®</sup> F 2504

Paint Department

**Description:** VANTALC F 2504 is a high purity, platy talc (hydrous magnesium silicate). It is used as a reinforcing filler for paint, plastics, rubber and adhesives.

### Typical Chemical Analysis (calculated as oxides):

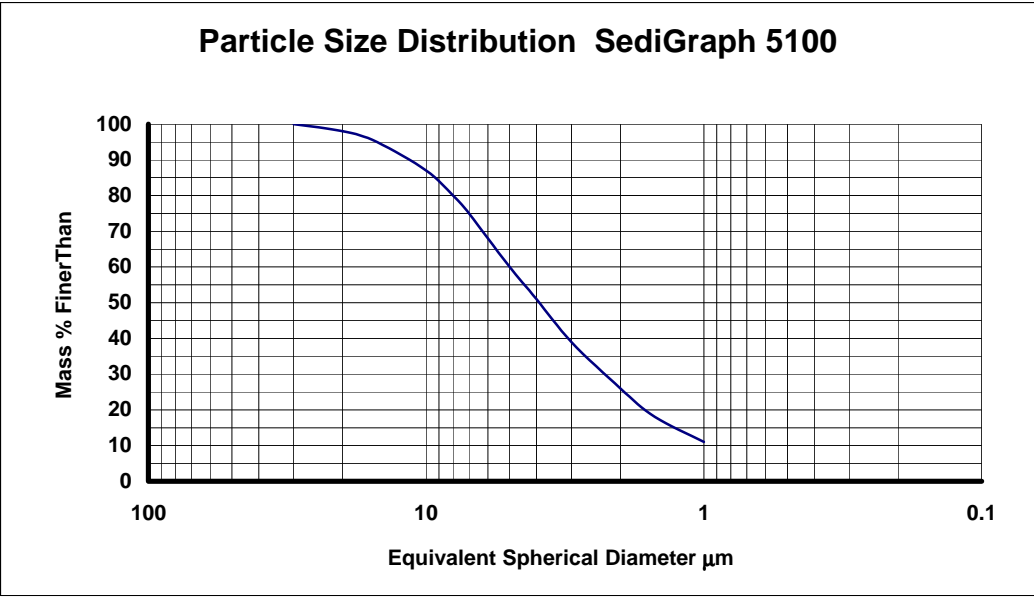
	% by weight
Magnesium Oxide (MgO)	31.5
Silicon Dioxide (SiO <sub>2</sub> ) - by difference	61.4
Calcium Oxide (CaO)	0.2
Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )	0.6
Ferric Oxide (Fe <sub>2</sub> O <sub>3</sub> )	1.1
Sodium Oxide (Na <sub>2</sub> O)	<0.1
Loss on Ignition (1000°C)	5.2

### Typical Properties:

Density at 25°C (Mg/m <sup>3</sup> )	2.8
Weight (lbs/solid gallon)	23.4
pH (ASTM D 1208)	9.4
G.E. Brightness, (TAPPI T 646)	89
> 325 Mesh (%)	trace
Oil Absorption (ASTM D 281)	42
Hegman Fineness (3 lbs/gallon)	5
Einlehner Abrasion Loss (g/m <sup>2</sup> )	18
Moisture (%)	<0.5
Median Particle Size – SediGraph 5100	3.9 µm
Bulk Density (lbs/ft <sup>3</sup> )	21

VANTALC F 2504 meets the requirements of ASTM D 605 for magnesium silicate pigment.

Over



Percent finer than:

30 μm	100
20 μm	98
10 μm	87
5 μm	60
2 μm	26
1 μm	11

Median Particle Size: 3.91 μm

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