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VANDERBILT

Technical Data

VANTALC[®] Mineral Filler

VANTALC 6H-II · VANTALC F 2504 · VANTALC R

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Paint Department

VANTALC® Mineral Filler
VANTALC 6H-II · VANTALC F 2504 · VANTALC R

Description: **VANTALC 6H-II, VANTALC F 2504** and **VANTALC R** are high purity, hydrous magnesium silicate (talc) products from Montana. These talc products are super-fine grind talcs with high brightness and high oil absorption. **VANTALC 6H-II** is useful for gloss control of coatings, particularly where film smoothness and pigment suspension are important factors. **VANTALC F 2504** and **VANTALC R** are reinforcing fillers for paint, plastics, rubber and adhesives.

Typical Mineralogy:

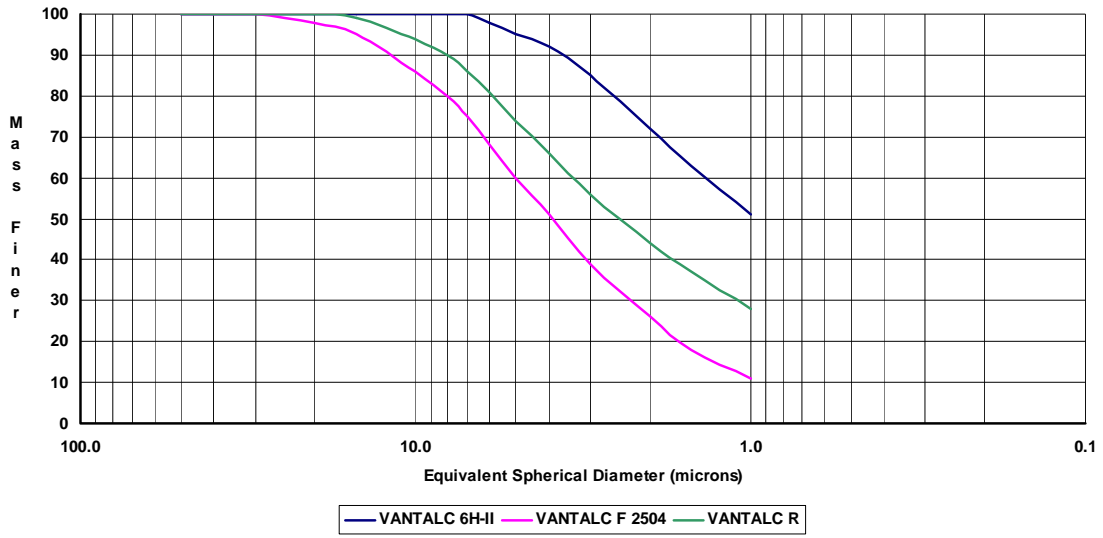
Talc	> 95%
Chlorite group minerals	< 5%
Quartz	< 1 %

Typical Properties:

	VANTALC 6H-II	VANTALC F 2504	VANTALC R
Physical State	powder	powder	powder
Color	white	white	white
Density (Mg/m ³)	2.8	2.8	2.8
Weight (lbs/solid gallon)	23.4	23.4	23.4
GE Brightness (TAPPI T 646)	91	89	90
pH (10% slurry)	9.4	9.4	9.4
325 Mesh Residue	trace	trace	trace
Median Particle Size (SediGraph)	1.0 µm	3.9 µm	2.5 µm
Einlehner Abrasion Loss (g/m ²)	8	18	18
Hegman Fineness (3 lbs/gallon)	6 +	5	5.5
Oil Absorption (ASTM D 281)	55	42	48
Bulk Density (lbs/ ft ³)	15	21	21

VANTALC 6H-II, VANTALC F 2504 and **VANTALC R** meet the requirements of ASTM D 605 for Magnesium Silicate Pigment.

Particle Size Distribution SediGraph 5100



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high quality minerals and chemicals,
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