

## MICROTALC® DM 12-50 talc

Specialty Minerals Inc. MICROTALC™ DM 12-50 talc is manufactured utilizing a direct milling process that retains a high 6 hegman fineness while reducing surface area and ultrafine (<1 micron) particles. This results in a material that yields superior processing, reduced viscosity and higher loading in many polymeric and coating systems.

As with all of our MICROTALC™ talc products, MICROTALC™ DM 12-50 talc is a cost effective, chemically inert, platy, high brightness talc that may be used for reinforcement, improved weatherability and general improvement in mechanical properties.

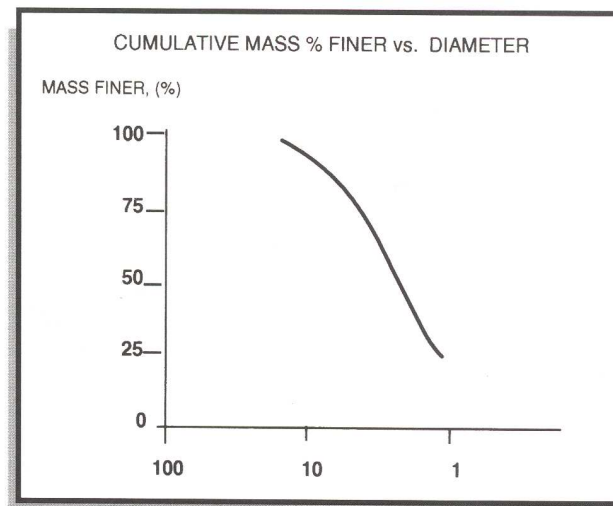
### Typical Properties

Median Particle Size (microns)	2.4
Specific Gravity	2.8
Dry Brightness (Hunter Y, Rd value)	88.5
Bulk Density (pounds/ft <sup>3</sup> )	12
(grams/cc)	0.19
Tap Density (pounds/ft <sup>3</sup> )	33
(grams/cc)	0.52
Bulking Value (wt/solid gal. (lbs.))	23.3
Oil Absorption	42
pH Value	8.8
Hegman Fineness	6.0

### Chemical Composition

(typical)

Silicon Dioxide	SiO <sub>2</sub>	61%
Magnesium Oxide	MgO	31%
Aluminum Oxide	Al <sub>2</sub> O <sub>3</sub>	1.0%
Calcium Oxide	CaO	<0.5%
Iron As	Fe <sub>2</sub> O <sub>3</sub>	<1.3%
Loss on Ignition	L.O.I.	5.5%
Moisture	H <sub>2</sub> O	<0.5%
(% weight loss @ 110° C)		



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