

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.

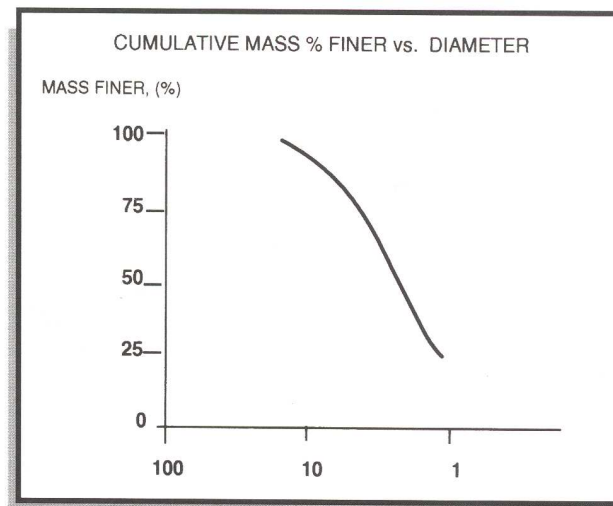
As with all of our MICROTALC™ talc products, MICROTALC™ DM 12-50 talc is a cost effective, chemically inert, platy, high brightness talc that may be used for reinforcement, improved weatherability and general improvement in mechanical properties.

Typical Properties

Median Particle Size (microns)	2.4
Specific Gravity	2.8
Dry Brightness (Hunter Y, Rd value)	88.5
Bulk Density (pounds/ft ³)	12
(grams/cc)	0.19
Tap Density (pounds/ft ³)	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 ₂	61%
Magnesium Oxide	MgO	31%
Aluminum Oxide	Al ₂ O ₃	1.0%
Calcium Oxide	CaO	<0.5%
Iron As	Fe ₂ O ₃	<1.3%
Loss on Ignition	L.O.I.	5.5%
Moisture (% weight loss @ 110° C)	H ₂ O	<0.5%



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Sales Offices

Bethlehem, PA 1-610-997-8394
 Barretts, MT 800-336-9008
 www.mineralstech.com

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