

## MICROTALC<sup>®</sup> talc General Purpose Talcs

Specialty Minerals Inc. (SMI) general purpose MICROTALC<sup>®</sup> talc products are produced by Barretts Minerals Inc., from an extensive deposit of high quality Montana talc (Magnesium Silicate) ore. SMI's general purpose MICROTALC<sup>®</sup> talc products are defined by moderate color and grind. They are normally used in applications which can benefit from talc's platy particle shape, highly oleophilic surface and softness and do not require high dry brightness.

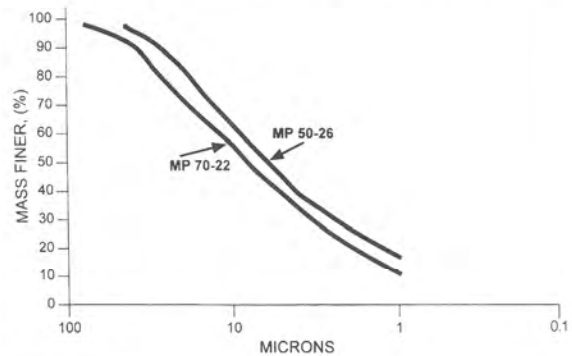
Two general purpose grades are available: a 325 mesh material, MICROTALC<sup>®</sup> MP 50-26 talc, and a 200 mesh product, MICROTALC<sup>®</sup> MP 70-22 talc. These two products find application in sealants and caulks, joint compounds, spackles and texture coats, and other construction and agricultural products.

Typical Properties	MICROTALC <sup>®</sup>	General Purpose Talcs
	MP 50-26	MP 70-22
Median Particle Size (microns)	8.0	7.0
Retention, 325 Mesh, %	1.8	-
Retention, 200 Mesh, %	-	2.0
Dry Brightness (Hunter Y, Rd Value)	80-86	76-85
Bulk Density (pounds/ft <sup>3</sup> ) (grams/cc)	24	27
	0.38	0.43
Tap Density (pounds/ft <sup>3</sup> ) (grams/cc)	52	55
	0.83	0.88
pH	8.8	8.8
Specific Gravity	2.8	2.8

### Chemical Composition (typical)

Silicon Dioxide	SiO <sub>2</sub>	61%
Magnesium Oxide	MgO	31%
Calcium Oxide	CaO	0.5%
Aluminum Oxide	Al <sub>2</sub> O <sub>3</sub>	1.5%
Iron As	Fe <sub>2</sub> O <sub>3</sub>	1.5%
Loss on Ignition	L.O.I.	5.5%
Moisture (% weight loss @ 110° C)	H <sub>2</sub> O	<0.5%

### Particle Distribution Curve CUMULATIVE MASS % FINER vs. DIAMETER



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