

MICROTALC[®] talc General Purpose Talcs

Specialty Minerals Inc. (SMI) general purpose MICROTALC[®] 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[®] 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.

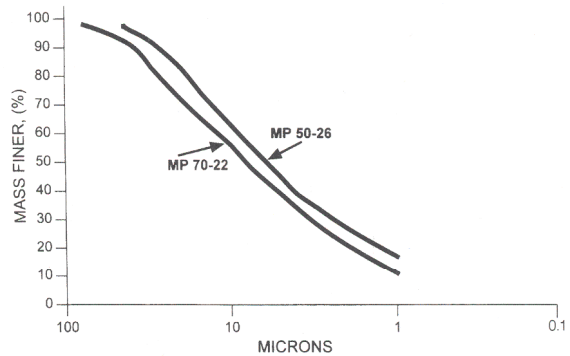
Two general purpose grades are available: a 325 mesh material, MICROTALC[®] MP 50-26 talc, and a 200 mesh product, MICROTALC[®] MP 70-22 talc. These two products find application in sealants and caulks, joint compounds, spackles and texture coats, and other construction and agricultural products.

Typical Properties	MICROTALC [®]	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 ³)	24	27
	(grams/cc)	0.38
Tap Density (pounds/ft ³)	52	55
	(grams/cc)	0.83
pH	8.8	8.8
Specific Gravity	2.8	2.8

Chemical Composition (typical)

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

Particle Distribution Curve CUMULATIVE MASS % FINER vs. DIAMETER



All products are sold on the understanding that the user is solely responsible for determining their suitability for the intended use. All information given and recommendations made herein are based upon our research and are believed to be accurate, but no guarantee, either expressed or implied, is made with respect thereto or with respect to the infringement of any patent. SMI MAKES NO WARRANTY OF MERCHANTABILITY OR SUITABILITY FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH ANY SALE OF THE PRODUCTS DESCRIBED HEREIN. Inconsistent terms and conditions contained in Buyer's purchase order shall not be binding on SMI/BMI unless reflected in writing signed by SMI/BMI's representative. The information contained herein is not to be copied or otherwise used in any publication in whole or in part, without written permission from Specialty Minerals Inc./Barretts Minerals Inc.

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