

MICROTALC® densified grade talcs

MICROTALC® densified grade talcs are designed to address an area of concern to the compounder, specifically the inherently low powder density of fine and ultrafine grades of talc which have contributed to processing difficulties during melt compounding at commercial production speeds.

New densified forms of these fine grade talcs are now available from Specialty Minerals Inc. The MICROTALC® densified product line eliminates the processing difficulties without affecting dispersion.

MICROTALC® densified products offer the compounder:

- Minimum dust of product in plant
- Talc dosage is more consistent
- Higher levels of talc can be used
- Delivered cost advantages due to shipping economics

while offering the formulator:

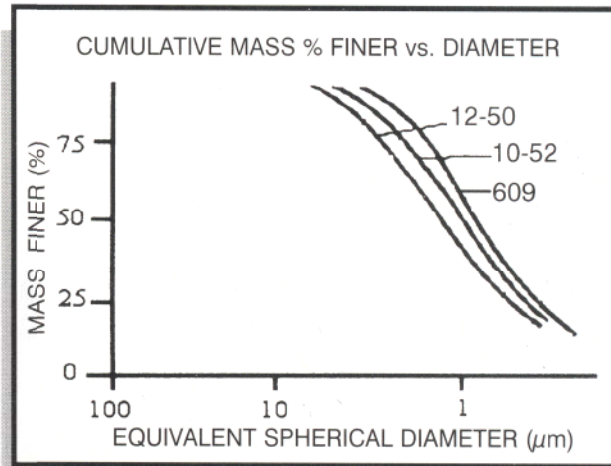
- Optimum balance of stiffness and impact

Typical Properties

	Grades						
	MICROTALC® Reinforcement Talc	ULTRATALC® 609	ULTRATALC® 609D	MICROTALC® MP 10-52	MPD 10-52	MICROTALC® MP 12-50	MPD 12-50
Median Particle Size		0.8	0.8	1.0	1.0	1.3	1.3
Bulk Density (pounds/ft³)		6.4	31	6.4	35	9.5	35
(grams/cc)		0.10	0.50	0.10	0.56	0.15	0.56
Tap Density (pounds/ft³)		20	60	22	64	22.6	65
(grams/cc)		0.32	0.96	0.35	1.03	0.36	1.04

Chemical Composition (typical)

Silicon Dioxide	SiO ₂	60%
Magnesium Oxide	MgO	33%
Aluminum Oxide	Al ₂ O ₃	1.0%
Iron As	Fe ₂ O ₃	1.2%
Loss on Ignition	L.O.I.	5.5%
Moisture (% weight loss @ 110° C)	H ₂ O	<0.5%



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