

NYCO[®] premium quality wollastonite

NYCO SUPPLIES PREMIUM QUALITY WOLLASTONITE TO THE WORLD

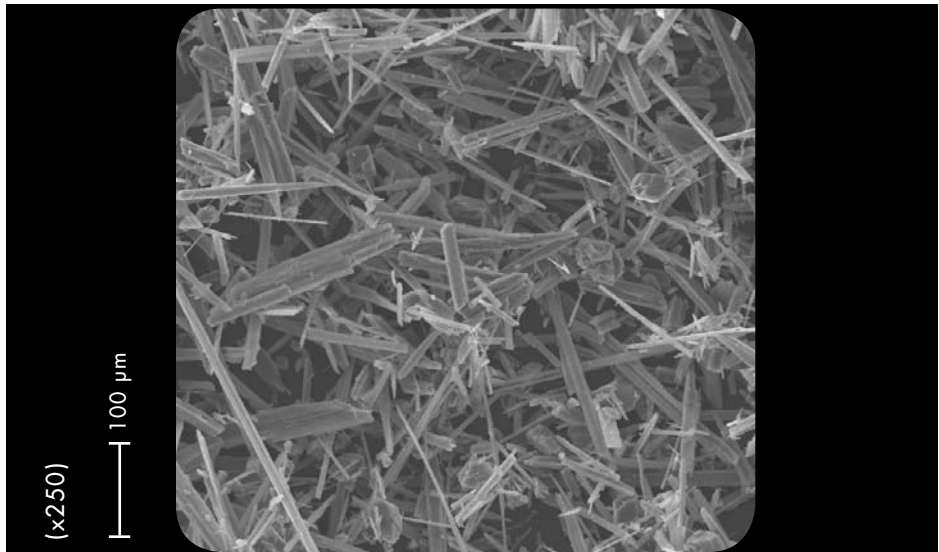
NYCO is not only the foremost supplier of wollastonite in the world, we are also the first...

Since our pioneering plant at Willsboro, New York opened in 1953, to our most recent development of a world class deposit in the Sonora desert of Mexico, NYCO has led the world in its growing acceptance of wollastonite.

- highest quality ores
- state of the art processing
- world class treatment facilities
- market leading reliability & technical service
- 100 plus years of reserves

This data contains general information and describes typical properties only. It is offered for use by persons qualified to determine for themselves the suitability of our products for particular purposes. No guarantee is made or liability assumed, the application of this data and the products described herein being at the sole risk of the user.

TYPICAL PROPERTY	TYPICAL VALUE	METHOD
G.E. Brightness	80	NYCO Test Method
Oil Absorption (lbs./100 lbs.)	25	NYCO Test Method
Bulk Density Loose (lbs./cu.ft.) (g/cc) Tapped (lbs./cu.ft.) (g/cc)	31 (44)* 0.50 (0.70)* 44 (60)* 0.70 (0.95)*	NYCO Test Method NYCO Test Method NYCO Test Method NYCO Test Method
Median Particle Size (µm)	17	NYCO Test Method
Surface Area (m ² /g) (BET)	1.1	Micromeritics
Minus 200 U.S. Mesh Screen (%)	99.0	NYCO Test Method
Moisture (%)	0.20	NYCO Test Method
*Typical Values for Surface Treatments		



ASPECT™ 4000

CHEMICAL COMPOSITION: CaSiO₃

COMPONENT	TYPICAL VALUE (%)
CaO	46.00
SiO ₂	49.00
Fe ₂ O ₃	0.26
Al ₂ O ₃	0.16
MnO	0.02
MgO	0.55
TiO ₂	0.01
K ₂ O	0.10
Wt. Loss (1000°C)	3.90

TYPICAL PROPERTIES**VALUE**

APPEARANCE	WHITE
MORPHOLOGY	ACICULAR
MOLECULAR WEIGHT	116
SPECIFIC GRAVITY	2.9
REFRACTIVE INDEX	1.63
pH (10% SLURRY)	9.9
WATER SOLUBILITY (g/100cc)	0.0095
DENSITY (lbs./cu.ft.)	181
BULKING VALUE (gal./lbs.)	0.0413
MOHS HARDNESS	4.5
COEFFICIENT OF EXPANSION (mm/mm/°C)	6.5 X 10 ⁻⁶
MELTING POINT (°C) - theoretical	1540
MELTING POINT (°C) -by ASTM D1857	1410

nyco[®]

One Mineral, A World Of Applications

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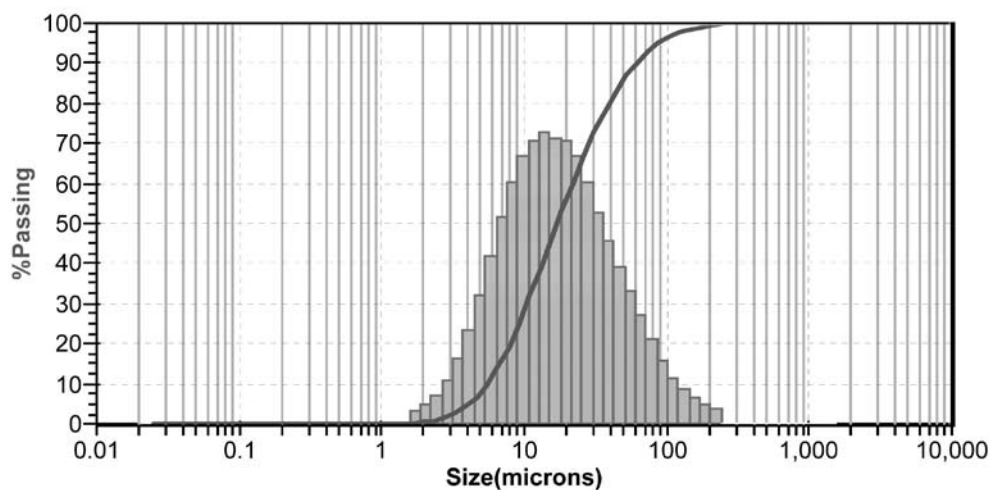
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PARTICLE SIZE DISTRIBUTION CURVE

Technical data sheets on other wollastonite products and comprehensive health & safety information are available upon request.

ASPECT™ 4000