MICROCRYSTALLINE ARKANSAS NOVACULITE
PO BOX 1238, HOT SPRINGS, AR 71902-1238 USA
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malvern MINERALS COMPANY

Data Sheet

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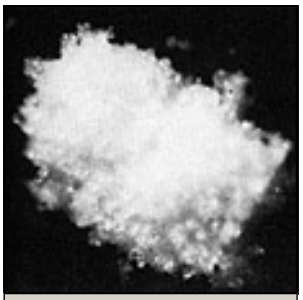
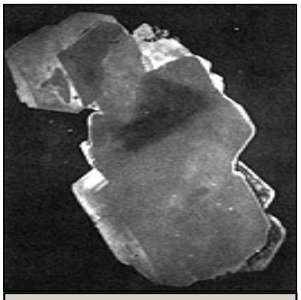
1250 Novacite®

MICRONIZED QUARTZ

Properties	(Typical)	
Specific Gravity		2.65
Index of Refraction		1.550
Color (Dry)		White
Color (Wet)		Gray-Tan
Oil Adsorption (Spatula)	Rub Out Method	17-20%
Particle Shape	1-7 microns	Platey
Particle Shape	Over 7 microns	Clusters
pH		6.0-7.8
Acid Number		0(-0-18)
Thermal Stability (in its phase)	Absolute Zero to 573° C	
Specific Heat (Mean between 0-200° C)		.192 Cal/g/C°
Surface Modification		Very Receptive
Hardness		7 Mohs Scale
Moisture (Finished Product) 110° C 3 Hours		0.0%
Loss on Ignition (Typical) 1000° C 30 Minutes		0.20%
Loose Packed		50 lbs/Ft³
Dense Packed		80 lbs/Ft³



Cluster 70X



Platelets

Micro Diameter	U.S. Series Number	Percent Finer Than*	Fineness of Dispersion
44µ	325	99-100	Hegman Grind 3 - 4
30µ	475	99	
20µ	625	94	
15µ	950	92	
10µ	1250	69	

Average Particle Size (Range) Fisher 7µ to 14µ

*These values are averages

Chemical Analysis (Typical)	
SiO_2	99.49%
Fe_2O_3	.039%
Al_2O_3	.102%
TiO_2	.015%
CaO	.014%
MgO	.021%

Typical Applications
Casting resins
Potting compounds
Molding compounds
Abrasive medium (Wet blasting)
Pipe Linings
Interior and Exterior latex paints

General Information

1250 Novacite® is a premium 325 mesh product. Normally, it is 100% finer than 44µ. This outstanding product has been preferred for over 35 years in thermoset molding compounds. We would not hesitate to recommend 1250 Novacite® for almost any application in the polymer field in its range of fineness.

Other Novacite® grades include: 200, 325, S-325, Daper, L-207A, L-337, and 5µ Novacite®.
Other services include: Toll Treatment, Toll Grinding, and Toll Blending.
Please visit us at our website: www.malvernminerals.com or e-mail at: novacite@malvernminerals.com

Novacite® is a naturally occurring product. The chart above indicates typical particle size distributions. Generally the top size can be controlled through classification machinery; however, sub-sieve distribution and relation above are impossible to predict with accuracy. The nature of fineness or coarseness varies with the character of the crude ore.