



MICROCRYSTALLINE ARKANSAS NOVACULITE  
PO Box 1238, HOT SPRINGS, AR 71902-1238 USA  
501-623-8893 / FAX 501-623-5113

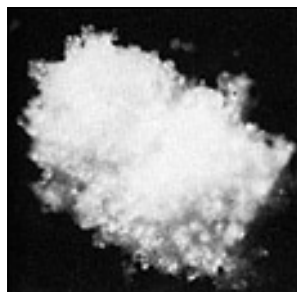
**malvern**  
MINERALS COMPANY

Data Sheet DISTRIBUTED BY: R.E. CARROLL, INC. 1570 NORTH OLDEN AVE. TRENTON NJ 08638-3204  
PH: 609-695-6211/800-257-9365 FAX: 609-695-0102 www.recarroll.com

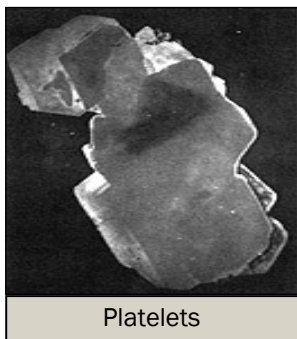
# 1250 Novacite®

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/Ft <sup>3</sup>
Dense Packed		80 lbs/Ft <sup>3</sup>



Cluster 70X



Platelets

Micro Diam- eter	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 <sub>2</sub>	99.49%
Fe <sub>2</sub> O <sub>3</sub>	.039%
Al <sub>2</sub> O <sub>3</sub>	.102%
TiO <sub>2</sub>	.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](http://www.malvernminerals.com) or e-mail at: [novacite@malvernminerals.com](mailto: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.

Information contained herein is intended only for evaluation by technically skilled persons, and is to be used by such persons at their own risk. Such information is believed to be reliable, but Malvern Minerals Co assumes no responsibility for results obtained or damages resulting from such use. Typical properties and chemical analyses are intended as examples and are not to be considered as substitutes for actual analyses in those situations where properties and chemical compositions are critical factors. Sales of Malvern Minerals Co products shall be independent and subject exclusively to the terms and conditions set forth in Malvern's order acknowledgement.