



1.800.568.2492

pacer@gwtc.net

www.pacermanerals.com

Box 912, Custer, South Dakota 57730

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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

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DakotaTMPURE 700

APPLICATIONS & BENEFITS

DakotaPURETM is a highly pure muscovite mica which possesses an outstanding combination of mechanical, physical, chemical, electrical and thermal properties which are rarely found in other products. DakotaPURETM is a translucent mica which is gray/silver in color and is free of asbestos and non-asbestos fibrous materials. DakotaPURETM can be used in a variety of polymer applications to improve stiffness, increase tensile and flexural properties and improve heat distortion temperature. It is also used extensively for sound dampening applications. In the coatings and construction products industry, DakotaPURETM enhances weatherability, provides barrier protection and increases chemical resistance. DakotaPURE'sTM unique combination of electrical properties make it a super insulator.

Our 1060 acre mica deposit, state-of-the-art processing facility and great customer service further enhance the benefits of using DakotaPURETM. Contact Pacer to discover how the properties of DakotaPURETM mica can benefit your application.

TYPICAL SIEVE ANALYSIS (Dry Screened)

	<u>Typical</u>	<u>Specification</u>
ON U.S.S. #60	1.0%	0 - 2.6%
ON U.S.S. #100	7.8%	3.8 - 11.8%
ON U.S.S. #200	36.3%	26.3 - 46.3%

TYPICAL PHYSICAL/CHEMICAL PROPERTIES

Bulk Density	49.5 lbs./cu. ft.	47 - 52 lbs./cu. ft.
Loss on Ignition	0.3	
Loss on Drying	0.01	
Specific Gravity	2.66	
Oil Absorption	35.9	
pH	8.0	
Moh's Hardness	2.5	

REGULATORY APPROVALS

DakotaPURETM mica products meet the FDA requirements of the Title 21 CFR §175.105.05 Adhesives; §175.300 Resinous & Polymeric coatings; §177.1520(B) Olefin polymers; §177.2800 Rubber articles intended for repeated use; §178.3297 Colorants for polymers. These mica products are listed on the US TSCA list and Canadian DSL. See MSDS for safety and additional regulatory information.

The information and data contained herein are believed to be accurate, but the manufacturer makes no warranty with respect thereto and disclaims responsibility for reliance thereon. This data relates only to the specific material described herein, and does not relate to use in connection with any other materials or in any process.

Pacer Corp. makes no warranties, expressed or implied, concerning this product. No warranty of fitness for any particular purpose is made, and we assume no responsibility whatever for any use of this product. This product shall be used by properly trained personnel, and in compliance with applicable health and safety laws and regulations.