



# Badger Pure Permian™

*Superior by Nature, Quality by Badger®*

## Typical Properties

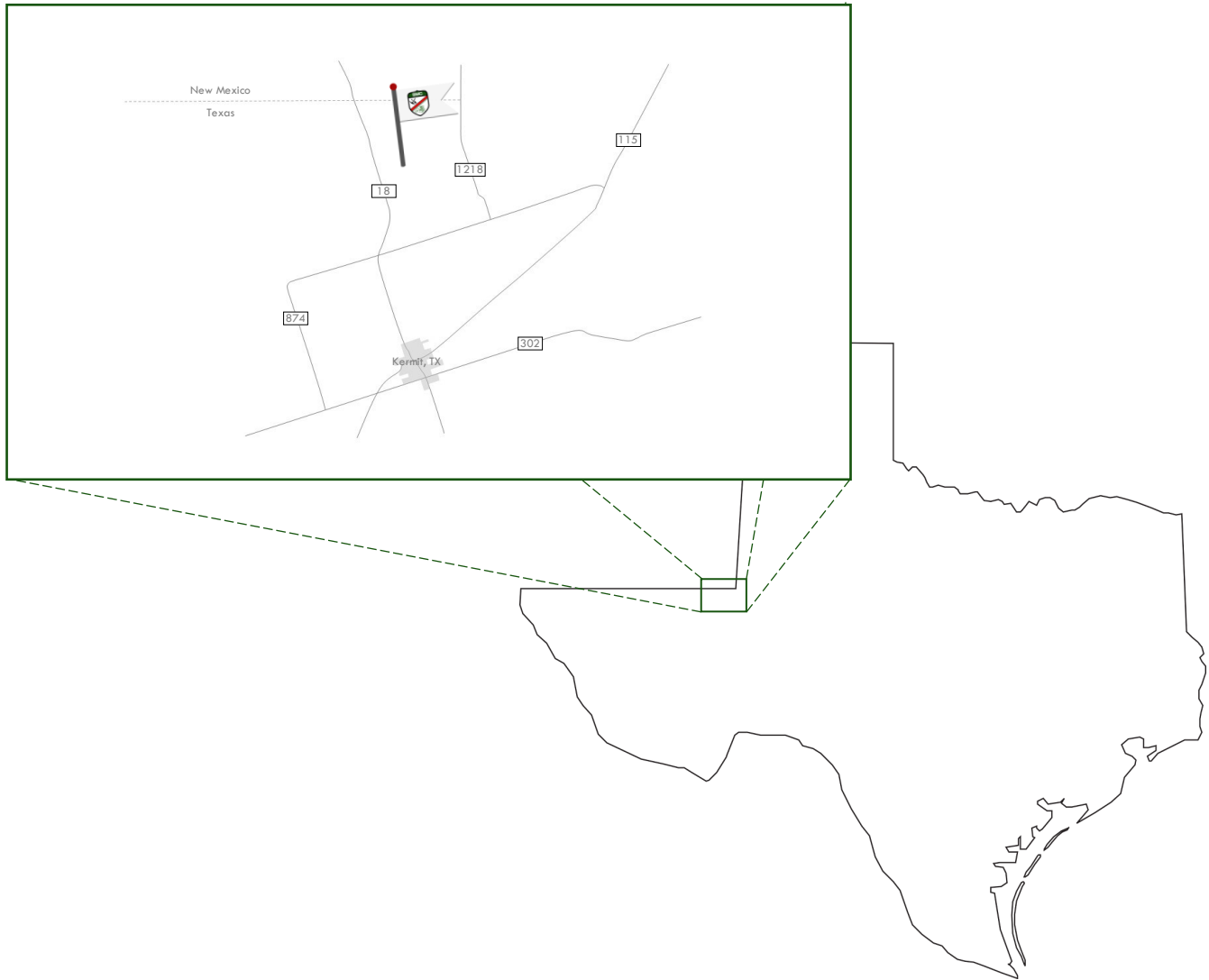
Mesh Size	K50140F
50	0.5
60	13.5
70	23.3
80	26.8
100	20.7
120	10.7
140	4.0
170	0.4
Pan	0.0
Percent Retained	99.1%
Acid Solubility	3.4%
Crush K Value	10,000
Bulk Density	92.4 lbs/f <sup>3</sup>
Specific Gravity	2.64 lbs/ft <sup>3</sup>

Mesh Size	K4070F
40	0.0
45	7.2
50	16.3
60	28.6
70	40.2
80	7.5
100	0.1
120	0.0
Pan	0.0
Percent Retained	92.3%
Acid Solubility	2.5%
Crush K Value	6,000
Bulk Density	93.0 lbs/f <sup>3</sup>
Specific Gravity	2.64 lbs/ft <sup>3</sup>

## Chemical Properties

	Percentage
Silicon Dioxide (SiO <sub>2</sub> )	98.7%
Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )	0.69%
Calcium Oxide (CaO)	0.07%
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	0.15%
Potassium Oxide (K <sub>2</sub> O)	0.24%
Magnesium Oxide (MgO)	0.05%
Sodium Oxide (Na <sub>2</sub> O)	0.04%
Titanium Dioxide (TiO <sub>2</sub> )	0.04%

## Our Location



[www.badgerminingcorp.com](http://www.badgerminingcorp.com)

[BMCCustomerResourceTeam@badgerminingcorp.com](mailto:BMCCustomerResourceTeam@badgerminingcorp.com)

All analyses were performed using API 19C methods and are based on Badger Mining Corporation's test equipment. Testing was performed on drill samples that were washed using attrition scrubbing and are representative of BMC's Kermit Texas deposit.

**Silica Sand and Resin-Coated Silica Sand Products DANGER**

These products have been classified, following the Globally Harmonized System (GHS) of Classifying and Labeling Chemicals criteria, as a Category 1A Carcinogen, a Category 1 Specific Target Organ Toxicity (following repeated exposures), and a Category 2B Eye Irritant. For Industrial Use Only. DO NOT USE THIS PRODUCT FOR BLASTING OR AS AN ABRASIVE. DO NOT PNEUMATICALLY UNLOAD THE RESIN-COATED SILICA SAND PRODUCTS AT A PRESSURE EXCEEDING 5 PSI SO AS TO AVOID ABRADING THE PRODUCT. DO NOT BREATHE DUST. Read the specific Safety Data Sheet (SDS) before using and follow applicable local, state and federal health and safety standards. The SDSs for the products are available online at [www.badgerminingcorp.com](http://www.badgerminingcorp.com) or by calling 715-662-2400. October 22, 2016 Revision E

