



# Badger Pure Permian™

*Superior by Nature, Quality by Badger®*

## Typical Properties

Mesh Size	K4070F
40	1.5
45	17.5
50	30.2
60	35.3
70	12.8
80	2.3
100	0.4
Pan	0.0
Percent Retained	95.7%
NTU	71
Acid Solubility	2.5%
Crush K Value	8,000
Bulk Density	92.4 lb/ft <sup>3</sup> ; 1.48 g/cm <sup>3</sup>
Specific Gravity	2.64 lb/ft <sup>3</sup>

Mesh Size	K50140F (100 mesh)
50	0.1
60	4.8
70	32.3
80	32.3
100	18.0
120	6.7
140	2.6
170	1.3
200	0.9
Pan	0.9
Percent Retained	96.8%
NTU	120
Acid Solubility	3.4%
Crush K Value	10,000
Bulk Density	91.7 lb/ft <sup>3</sup> ; 1.47 g/cm <sup>3</sup>
Specific Gravity	2.64 lb/ft <sup>3</sup>

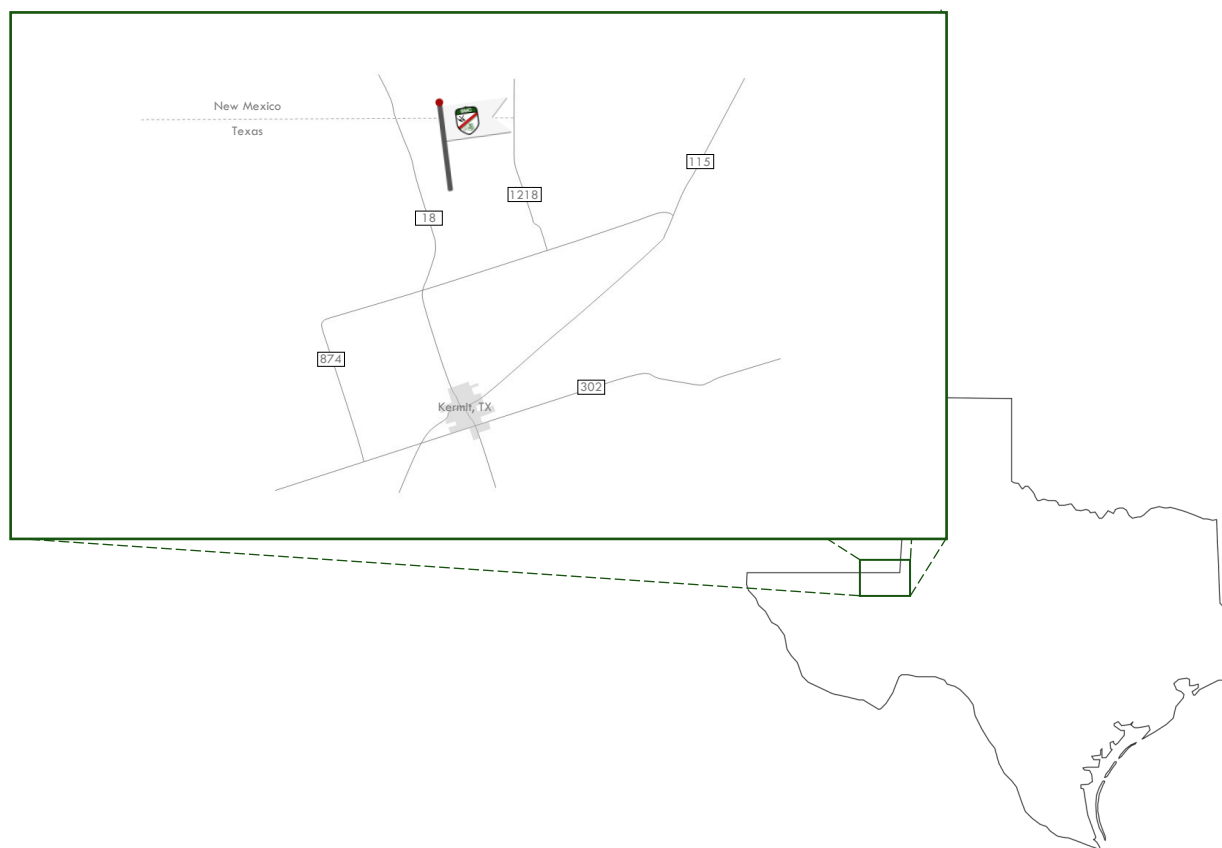
## Conductivity & Permeability

		2,000	4,000	6,000	8,000	10,000
Conductivity	K4070F	770	578	376	215	114
	K50140F (100 mesh)	298	251	125	64	34
Permeability	K4070F	42	32	22	13	7
	K50140F (100 mesh)	20.5	13	6.9	3.6	2

## Chemical Properties

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

## Our Location


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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 800-258-0038. February 2019 Revision F