



Atlas Precured Resin Coated (PRC)

Superior by Nature, Quality by Badger®

Atlas Precured Resin Coated (PRC) products offer an excellent price-to-performance ratio when proppant flowback is not a concern. Our exclusive resin complex provides protection from harsh well conditions and reduces or eliminates fines migration in the fracture. The durable nature of our coating significantly reduces embedment versus uncoated propping agents like hard ceramic proppants, and because our coating is non-reactive it reduces scale formation. All BadgerCoated™ products are coated on a premium Northern White sand substrate.

- PRC products are 2.6 - 2.8% resin by weight - limiting cost without sacrificing performance.
- PRC products are not designed to prevent proppant flowback. For proppant flowback prevention, please see our CRC-E, CRC-C, and CRC-One product lines.

Typical Properties

	20/40	30/50	40/70
Krumbein Shape Factor - Sphericity	0.7 - 0.8		
Loss on Ignition	2.6% - 2.8%		
Turbidity (NTU)	< 200		
Acid Solubility	< 2%		
Absolute Volume (gal / lb)	0.046 - 0.048		
Particle Size Distribution	Meets API RP 19C		
Color	Gold		
Physical State	Free Flowing Solid		
Bulk Density (lb./ft ³)	100.51	96.23	96.91
Bulk Density (lb./gal.)	13.44	12.86	12.95
Specific Gravity	2.57	2.59	2.50
Crush K Value	13,000	18,000	> 18,000

Conductivity md-ft @ 250° F (121° C)

Closure Stress PSI	20/40	30/50	40/70
2,000	2,384	1,229	636
4,000	2,053	1,072	545
6,000	1,401	835	452
8,000	833	550	335
10,000	457	327	216
12,000	225	170	137

* Data points represent the median value of accumulated Stim-Lab data

Permeability Darcy

Closure Stress PSI	20/40	30/50	40/70
2,000	132	69	34
4,000	115	61	30
6,000	80	48	26
8,000	49	32	20
10,000	28	20	13
12,000	14	11	9

* Data points represent the median value of accumulated Stim-Lab data

www.badgerminingcorp.com

BMCCustomerResourceTeam@badgerminingcorp.com

All chemical and physical properties are typical and tested in accordance with ISO 13503-2/API 19C in BMC's laboratories. We give no warranty for our products, either expressed or implied. We recommend that you confirm all properties in the laboratory of your choice.



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 or by calling 715-662-2400. October 22, 2016 Revision E