



Atlas Precured Premium Resin Coated (PRC-P)

Superior by Nature, Quality by Badger®

Atlas PRC products are our strongest line of proppants and provide the conductivity you need out of a Premium product without the expense of a low or medium density ceramic. 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-P is our Premium line of Precured Proppant and is 3.5 - 3.8% resin by weight.
- PRC-P 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	3.5% - 3.8%		
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	94.78	99.26
Bulk Density (lb./gal.)	13.44	12.67	13.27
Specific Gravity	2.60	2.50	2.50
Crush K Value	15,000	> 18,000	> 18,000

Conductivity md-ft @ 250° F (121° C)

Closure Stress PSI	20/40	30/50	40/70
2,000	2,645	1,043	631
4,000	2,253	926	562
6,000	1,734	749	417
8,000	1,037	530	226
10,000	544	311	116
12,000	313	159	53

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

Permeability Darcy

Closure Stress PSI	20/40	30/50	40/70
2,000	148	56	35
4,000	128	51	32
6,000	101	41	24
8,000	62	25	13
10,000	34	18	7
12,000	20	10	3

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

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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