

CURABLE RESIN-COATED PROPPANT

Reformulated July 2019

APPLICATIONS AND BENEFITS

- Low temperature, no activator, curable resin-coated sand
- Enhanced proppant flowback control and conductivity
- Enhanced crush resistance minimizes fines generation
- Reduces embedment by redistributing stress
- Minimizes proppant scaling resulting in increased flow capacity and long-term EUR
- 99.8%+ pure-quartz Northern White sand

CLOSURE STRESS
UP TO
14,000 psi
(96.5 MPa)

TEMP
100-170°F
(38-77°C)

PHYSICAL AND CHEMICAL PROPERTIES

API 19C

Mesh Size	Krumbein Sphericity	Krumbein Roundness	Absolute Density g/cm ³	Bulk Density lb/ft ³ (g/cm ³)	Absolute Volume gal/lb (cm ³ /g)	Acid Solubility %	Turbidity FTU	K-Value
40/70	0.7	0.7	2.6	93.6 (1.5)	0.0461 (0.3846)	<1.0	<250	14
30/50	0.8	0.8	2.6	95.5 (1.53)	0.0461 (0.3846)	<1.0	<250	12
20/40	0.8	0.8	2.6	97.4 (1.56)	0.0461 (0.3846)	<1.0	<250	11

UNCONFINED COMPRESSIVE STRENGTH (UCS)

Test specimens made using 2% KCl

Mesh Size	Test Temperature °F (°C)	Closure Stress psi (MPa)	Shut-in Time hr	UCS psi (kPa)
40/70, 30/50 & 20/40	150 (66)	1000 (6.9)	6	100 (690)
	110 (43)	1000 (6.9)	12	20 (138)
	110 (43)	1000 (6.9)	24	45 (310)

CONDUCTIVITY

Conductivity (md-ft), API 19D, tested @ 125°F (51.7°C)

Mesh Size	Closure Stress psi (MPa)				
	2,000 (13.8)	4,000 (27.6)	6,000 (41.4)	8,000 (55.2)	10,000 (68.9)
40/70	850	720	600	390	220
30/50	2020	1710	1380	990	460

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All information contained herein is subject to change without notice. Data listed above are typical values and have been generated by Covia and/or independent laboratories. Every real-world sampling is different so your results may vary. Covia proppants and activators are compatible with most commonly used water- and oil-based fracturing fluids. Some fluids may require adjustment of pH control (pH <11.0), foamer, or breaker loading. Avoid prolonged exposure to highly alkaline fluids. Testing prior to pumping is advised.

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