

Technical Data Sheet

Black Pro™ Proppants

Description



Black Pro™ proppants are an advanced curable resin coated fracturing sand available in a 40/70 mesh size. Black Pro resin is applied to a high quality frac sand. Incorporating Hexion's Stress Bond™ technology, the proppant bonds in the fracture with closure stress, providing high conductivity and proppant flowback control.

Typical Applications

Fracture treatments:

- At closure stress up to 12,000 psi [83 MPa]
- Where high conductivity and proppant flowback control are desired

Technical Advantages and Benefits

- Reduces proppant fines generation and migration
- Helps prevent proppant flowback
- Stress Bond technology helps prevent wellbore consolidation
- Frac fluid and breaker friendly

Typical Properties

Black Pro™ Proppants
<https://www.hexion.com/en-US/product/black-pro>

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Property	Value	Unit
Absolute Volume	0.385 [0.0461]	cm ³ /g [gal/lb]
API Mesh Size	40/70	
Bulk Density	1.47 [12.3]	g/cm ³ [lb/gal]
Color	pink to red	
Composition	resin coated frac sand	
Median Particle Diameter	0.3036	mm
Particle Size Distribution	meets or exceeds API RP 19C	
Physical State	solid granule	
Pipe Fill Factor	0.680 [0.0813]	cm ³ /g [gal/lb]
Resin Type	thermosetting, curable	
Solubility in Water, Brine & HCl	nil	
Specific Gravity	2.60	
Turbidity	250	NTU (FTU)

Technical Considerations

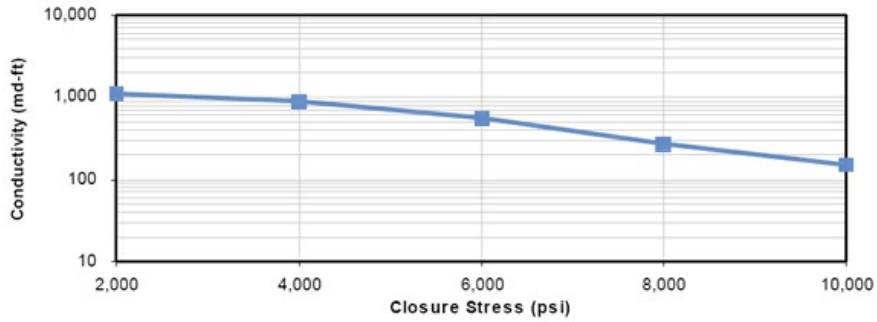
- Grain-to-grain contact must occur and closure stress must be applied during the cure period for proper bonding

Long-Term Conductivity

Stim-Lab, Inc. Consortium Long-Term Baseline Procedure

Proppant Concentration: 2 lb_m/ft² [9.8 kg/m²], Temperature: 250°F [121°C]

Closure Stress (psi)	2,000	4,000	6,000	8,000	10,000
Size	40/70				
Conductivity (md-ft)	1090	877	569	271	151



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