

Technical Data Sheet

PR6000[™] Proppants

Description



PR6000[™] proppants are precured resin coated sand available in 16/30, 20/40, 30/50, and 40/70 mesh sizes. These proppants are a proven procured premium resin coated sand.

Typical Applications

Fracture treatments:

At closure stress up to:

- 8,000 psi [55 MPa] (16/30 and 20/40)
- 10,000 psi [83 MPa] (30/50 and 40/70)

Technical Advantages and Benefits

- High conductivity
- Proppant fines reduction
- Reduces respirable silica dust exposure below PEL limits

Typical Properties

PR6000[™] Proppants

<https://www.hexion.com/en-US/product/pr6000>

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Property	Value	Unit
Specific Volume	0.384 [0.0460], 0.386 [0.0463], 0.383 [0.0459], 0.386 [0.0463]	cm ³ /g [gal/lb]
API Mesh Size	16/30, 20/40, 30/50, 40/70	
Bulk Density	1.60 [13.4], 1.57 [13.1], 1.58 [13.2], 1.43 [11.9]	g/cm ³ [lb/gal]
Color	reddish-brown	
Compatibility	Fully compatible with most commonly used fracturing fluids, both water and oil-based systems. Testing with fluids prior to pumping is advised.	
Composition	resin coated, northern white frac sand	
Particle Size Distribution	meets or exceeds API RP 19C	
Physical State	solid granule	
Pipe Fill Factor	0.624 [0.0748], 0.637 [0.0763], 0.633 [0.0758], 0.699 [0.0838]	cm ³ /g [gal/lb]
Resin Type	precured	
Solubility in Water, Brine & HCl	0.0	weight %
Solubility in HCl/HF acid, API RP 19C	< / = 3	weight %
Solubility In Oil	0.0	weight %
Specific gravity	2.60, 2.59, 2.61, 2.59	
Turbidity	< 250	NTU (FTU)

Technical Considerations

- Precured resin coated proppants are not designed to prevent flowback of proppants after fracturing. Use Hexion's curable resin coated proppants to prevent proppant flowback.

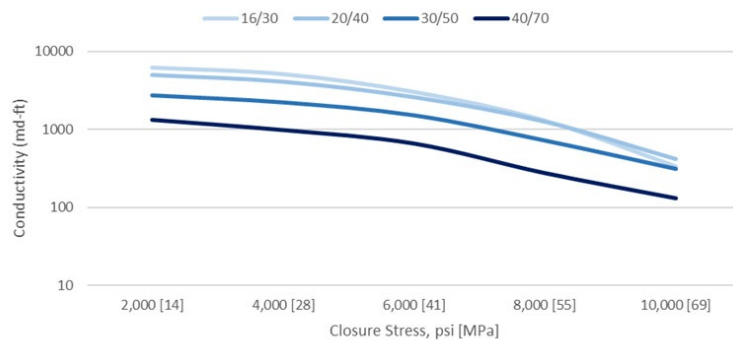
Conductivity

PropTester, Inc. Long-Term Baseline Procedure

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

Closure Stress, psi [MPa]	2,000 [14]	4,000 [28]	6,000 [41]	8,000 [55]	10,000 [69]
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Size	Conductivity (md-ft)				
16/30	6,259	5,155	3,046	1,302	336
20/40	4,949	4,054	2,577	1,254	418
30/50	2,723	2,214	1,513	720	312
40/70	1,339	991	665	278	132



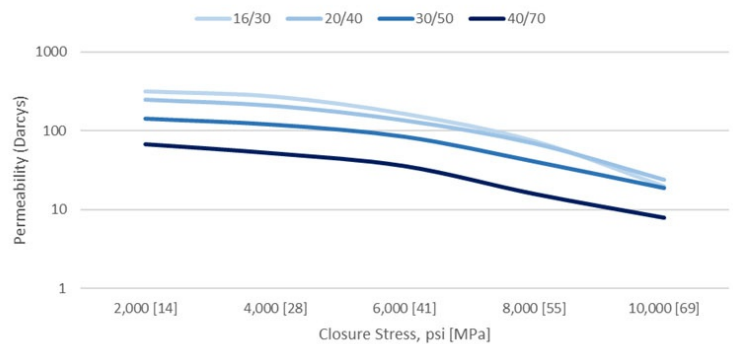
Permeability

PropTester, Inc. Long-Term Baseline Procedure

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

Closure Stress, psi [MPa]	2,000 [14]	4,000 [28]	6,000 [41]	8,000 [55]	10,000 [69]
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Size	Permeability (Darcy)				
16/30	312	268	163	74	20
20/40	247	206	135	69	24
30/50	142	119	84	41	19
40/70	68	52	36	16	8



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