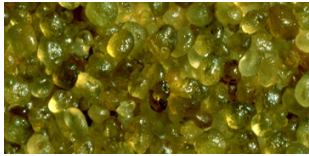


Technical Data Sheet

SB Prime[™] Proppants

Description



SB Prime[™] proppant is an advanced, field proven, premium curable resin coated sand available in a 20/40 mesh size. With 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 10,000 psi [69 MPa]
- Bottom-hole static temperatures from 160 - 450°F [71 - 232°C]
- 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

SB Prime[™] Proppants

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

Generated: June 14, 2024

Issue Date:

Revision:

® and [™] Licensed trademarks of Hexion Inc.

The information provided herein was believed by Hexion Inc. ("Hexion") to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. All products supplied by Hexion are subject to Hexion's terms and conditions of sale. **HEXION MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY HEXION**, except that the product shall conform to Hexion's specifications. Nothing contained herein constitutes an offer for the sale of any product.

Property	Value	Unit
Absolute Volume	0.380 [0.0455]	cm ³ /g [gal/lb]
API Mesh Size	20/40	
Bulk Density	1.47 [12.3]	g/cm ³ [lb/gal]
Color	light green	
Compatibility	Fully compatible with most commonly used fracturing fluids, both water and oil-based systems. Testing fluids prior to pumping is advised.	
Composition	resin coated frac sand	
Median Particle Diameter	0.6618	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	weight %
Solubility in HCl/HF acid, API RP 19C	< / = 3	weight %
Solubility In Oil	nil	weight %
Specific gravity	2.63	
Turbidity	< 250	NTU (FTU)

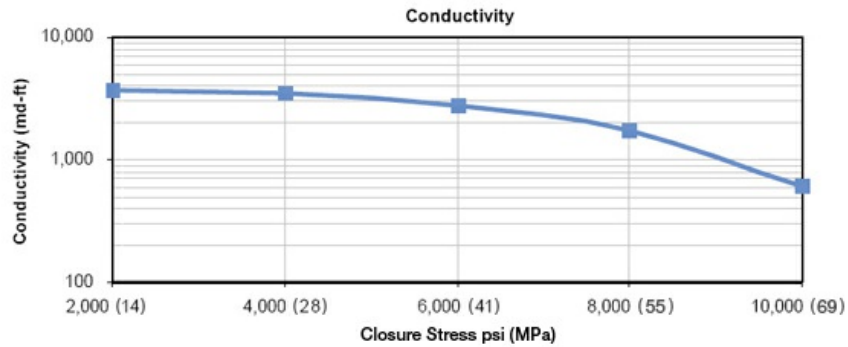
Technical Considerations

- Grain-to-grain contact must occur and closure stress must be applied during the cure period for proper bonding
- Consolidation of curable products at bottom-hole static temperatures below 160°F [71°C] is achieved by use of Hexion's AcTivator™ consolidation aid

Long-term Conductivity

Stim-Lab, Inc. Proppant Consortium Baseline Procedure
2 lb_m/ft² [9.8 kg/m²], 250°F [121°C]

Closure Stress psi (MPa)	2,000 (14)	4,000 (28)	6,000 (41)	8,000 (55)	10,000 (69)
Size	Conductivity (md-ft)				
20/40	3718	3535	2809	1716	602



Contact Information

Hexion
Oilfield Technology Group
15366 Park Row
Houston, Texas 77084 USA
+1 281 646 2800
www.hexion.com/oilfield

Customer Service
+1 800 626 2116
otg.customerservice@hexion.com

Technical Inquiries
otg.customerservice@momentive.com