

Performance Data								
Description	Conductivity (md-ft)							Typical Applications
Closure Stress (psi)	2,000	4,000	6,000	8,000	10,000	12,000	14,000	
Curable Ceramics								
XRT Ceramax P Stress Bond™ (SB) Resin Coated Bauxite	<i>(tested at 300°F)</i>							Above 10,000 psi closure stress. Highest strength proppant available.
20/40	5,212	4,928	4,182	3,504	3,015	2,346	1,685	
XRT Ceramax V Stress Bond Resin Coated Intermediate Density Ceramic	<i>(tested at 300°F)</i>							Up to 14,000 psi closure stress. Broad sieve distribution.
-14+40	6,515	5,661	4,688	4,238	3,303	2,506	1,631	
XRT Ceramax E Stress Bond Resin Coated Lightweight Economy Ceramic	<i>(tested at 300°F)</i>							Up to 12,000 psi closure stress.
20/40	5,257	4,776	4,141	3,556	2,362	1,494	—	
Curable Sands								
SB Prime Premium Stress Bond Resin Coated Sand	<i>(tested at 250°F)</i>							Up to 10,000 psi closure stress. Premium Stress Bond resin technology.
20/40	3,718	3,535	2,809	1,716	602	—	—	
Prime Plus Premium Stress Bond Resin Coated Sand	<i>(tested at 250°F)</i>							Up to 10,000 psi closure stress. Advanced waterfrac technology.
30/50	2,125	1,710	1,098	720	391	—	—	
40/70	936	825	669	447	227	—	—	
SB Excel Stress Bond Resin Coated Sand	<i>(tested at 250°F)</i>							Up to 8,000 psi closure stress. Stress Bond technology provides improved fracture flow capacity and proppant flowback control.
20/40	4,630	3,873	2,357	1,031	—	—	—	
SiberProp Low Temperature Stress Bond Resin Coated Sand	<i>(tested at 150°F)</i>							Up to 8,000 psi closure stress. No AcTivator™ consolidation aid required above 110°F. Excellent conductivity at lower closure stresses.
16/30	5,089	4,125	2,708	1,226	—	—	—	
ValuBond Economy Stress Bond Resin Coated Sand	<i>(tested at 250°F)</i>							Up to 8,000 psi closure stress. Ideal alternative to uncoated frac sand.
20/40	4,144	2,328	890	404	—	—	—	
40/70	975	772	515	220	—	—	—	
Precured Sand								
PR6000 Precured Resin Coated Sand	<i>(tested at 250°F)</i>							Up to 8,000 psi closure stress. Increased strength compared to uncoated frac sand.
20/40	4,625	3,539	2,075	918	—	—	—	

Note: Data generated by Stim-Lab using Proppant Consortium Long-term Conductivity Baseline Procedure at temperature and 2 lb/ft² proppant concentration. For further performance data such as bond strength, crush resistance, and slurry effects, please visit our Web site at hexion.com/oilfield.

For worldwide locations visit hexion.com

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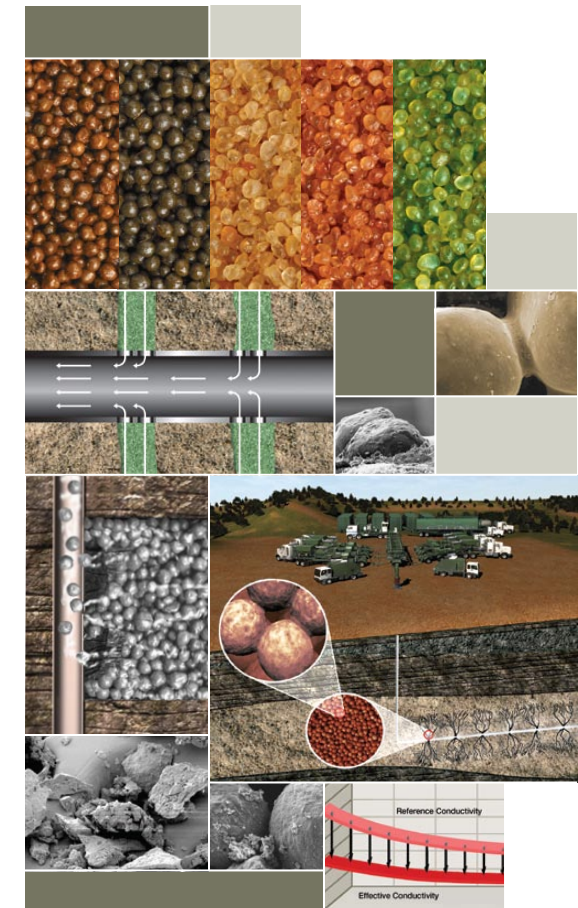
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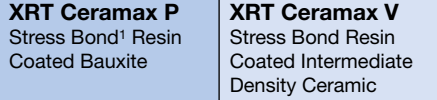
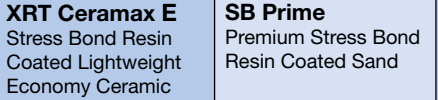
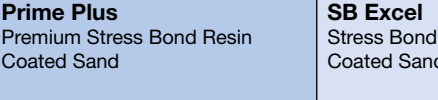
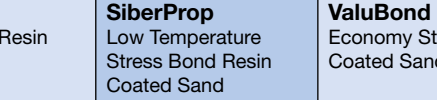
Resin Coated Proppants



Get the Results You Expect.™

Physical Properties

Resin Coated Proppants

		Curable Ceramics						Curable Sands						Precured Sand																		
																																
		XRT Ceramax P Stress Bond ¹ Resin Coated Bauxite		XRT Ceramax V Stress Bond Resin Coated Intermediate Density Ceramic		XRT Ceramax E Stress Bond Resin Coated Lightweight Economy Ceramic		SB Prime Premium Stress Bond Resin Coated Sand		Prime Plus Premium Stress Bond Resin Coated Sand		SB Excel Stress Bond Resin Coated Sand		SiberProp Low Temperature Stress Bond Resin Coated Sand		ValuBond Economy Stress Bond Resin Coated Sand		PR6000 Precured Resin Coated Sand														
Mesh Size		20/40		-14+40		20/40		20/40		30/50 40/70		20/40		16/30		20/40 40/70		20/40														
Typical Upper Closure Stress	<i>psi</i>	> 10,000		14,000		12,000		10,000		10,000		8,000		8,000		8,000		8,000														
Typical Temperature Range	<i>°F</i>	175–450		175–450		175–450		160–450		160–450		70–375		60–200		90–300		70–375														
Typical AcTivator Temperature Requirements²	<i>°F</i>	N/A		N/A		N/A		N/A		< 160		< 160		< 110		< 180		N/A														
Typical Sieve Analysis		Sieve No.	Weight %	Sieve No.	Weight %	Sieve No.	Weight %	Sieve No.	Weight %	Sieve No.	Weight %	Sieve No.	Weight %	Sieve No.	Weight %	Sieve No.	Weight %	Sieve No.	Sieve No.	Weight %												
		16	trace	12	trace	16	trace	12	trace	20	trace	30	trace	16	trace	12	trace	16	trace	30	16	trace										
		20	5–9	14	trace	20	5–10	16	1–8	30	1–8	40	1–8	20	1–8	16	1–8	20	1–8	40	20	1–8										
		25	89–95	16	98–100	25	90–94	18	≥ 90	35	> 90	45	> 90	25	> 90	18	> 90	25	> 90	45	25	> 90										
		30		20		30		20		30		20		30		20		30		20	30		20	30	20	30	20	30	20	30	20	
		35		30		35		30		30		30		30		30		30		30	30		30	30	30	30	30	30	30	30	30	30
		40		40		40		40		40		40		40		40		40		40	40		40	40	40	40	40	40	40	40	40	40
		50	< 1	50	≤ 1	50	≤ 1	50	1–4	70	1–4	100	1–4	50	1–4	40	1–4	50	1–4	100	50	1–4										
		pan	0	pan	0	pan	0	pan	trace	pan	trace	pan	trace	pan	trace	pan	trace	pan	trace	pan	pan	trace										
Particle Density	<i>lb/gal</i> <i>g/cm³</i>	28.6 3.43		25.1 3.01		20.9 2.50		21.9 2.63		21.7 2.60		21.6 2.59		21.6 2.59		21.3 2.55		21.8 2.61		21.3 2.55		21.5 2.58										
Specific Volume	<i>gal/lb</i> <i>cm³/g</i>	0.0350 0.292		0.0398 0.332		0.0478 0.400		0.0457 0.380		0.0461 0.385		0.0463 0.386		0.0463 0.386		0.0469 0.392		0.0459 0.383		0.0469 0.392		0.0465 0.388										
Bulk Density	<i>lb/gal</i> <i>g/cm³</i>	16.0 1.92		14.4 1.72		12.0 1.44		12.3 1.47		12.1 1.45		12.1 1.45		12.2 1.46		12.9 1.54		12.2 1.46		12.1 1.45		12.2 1.46										
Pipe Fill Factor	<i>gal/lb</i> <i>cm³/g</i>	0.0625 0.521		0.0694 0.581		0.0833 0.694		0.0813 0.680		0.0826 0.690		0.0826 0.690		0.0820 0.685		0.0775 0.649		0.0820 0.685		0.0826 0.690		0.0820 0.685										
Typical pH Range		8-9		8-9		8-9		8-9		8-9		8-9		8-9		8-9		8-9		7-9												
Solubility	<i>(weight %)</i> HCl/HF acid, ISO 13503-2 ³	≤ 0.3		≤ 0.3		≤ 0.3		≤ 0.3		≤ 0.3		≤ 0.3		≤ 0.3		≤ 0.3		≤ 0.3		≤ 0.3												

Note: Data listed was generated by Hexion laboratory testing. Results may vary slightly based on sample collection variability. Hexion proppants are compatible with most, if not all, commonly used fracturing fluids, both water- and oil-based systems. Testing with fluids prior to pumping is advised. Some fluids may require adjustment of pH control, breaker, or foamer loading. Avoid prolonged exposure to highly alkaline fluids (pH > 12 and/or > 2.2 gal 50% NaOH/1,000 gal).

¹ Stress Bond technology requires both closure stress and temperature to form bond.

² Hexion's AcTivator technical data can be found at hexion.com/oilfield.

³ Supersedes API RP-56.