



Resin Coated Proppants

Conductivity Data

Description	Conductivity (md-ft)						
	2,000	4,000	6,000	8,000	10,000	12,000	14,000
Curable Sands							
SB Prime™ Premium resin coated sand for excellent conductivity and proppant flowback control	<i>(tested at 250°F)</i>						
20/40	3,718	3,535	2,809	1,716	602	—	—
Prime Plus™ Premium resin coated sand for excellent conductivity and proppant flowback control	<i>(tested at 250°F)</i>						
30/50	2,125	1,710	1,098	720	391	—	—
40/70	936	825	669	447	227	—	—
Black Pro™ Resin coated sand with the highest proppant pack integrity due to its quick consolidation and rehealing capabilities	<i>(tested at 250°F)</i>						
40/70	1,090	877	569	271	151	—	—
SB Excel™ Resin coated sand for high conductivity and proppant flowback control	<i>(tested at 250°F)</i>						
20/40	4,630	3,873	2,357	1,031	—	—	—
Curable Ceramics							
XRT™ Ceramax™ P High strength resin coated bauxite for maximum conductivity under HP/HT conditions	<i>(tested at 300°F)</i>						
20/40	5,212	4,928	4,182	3,504	3,015	2,346	1,685
XRT Ceramax V Intermediate strength resin coated ceramic for maximum conductivity under HP/HT conditions	<i>(tested at 300°F)</i>						
-14+40	6,515	5,661	4,688	4,238	3,303	2,506	1,631
XRT Ceramax E Economic resin coated ceramic for maximum conductivity under HP/HT conditions	<i>(tested at 300°F)</i>						
20/40	5,257	4,776	4,141	3,556	2,362	1,494	—
Precured Sand							
PR6000™ Precured resin coated sand	<i>(tested at 250°F)</i>						
20/40	4,625	3,539	2,075	918	—	—	—
	<i>(tested at 150°F)</i>						
30/50	2,076	1,467	995	539	—	—	—

Note: Data generated by Stim-Lab, Inc. using Consortium Long-term Baseline Procedure at temperature and 2 lb/ft³ proppant concentration.

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Customer Service and Technical Support
+1 800 626 2116 phone
+1 866 959 2899 fax
otg.customerservice@hexion.com



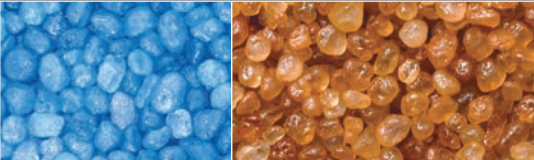






Oilfield Technology Group
Houston, Texas USA
hexion.com/oilfield
fracline.com

HXN-215 Rev. 12/16



Physical Properties

Resin Coated Proppants

	Specialty Curable Sands			Premium Curable Sands				Intermediate Curable Sand	Low Temperature Curable Sand			Economical Curable Sand				Curable Ceramics			Precured Sand							
																										
	AquaBond™ Premium Resin Coated Sand with Stress Bond™ Technology ¹ New: Advanced resin system that reduces the production of formation water			OilPlus™ Premium Resin Coated Sand with Stress Bond Technology Increases the relative permeability to oil in the proppant pack, resulting in higher oil production				Prime Plus Premium Resin Coated Sand with Stress Bond Technology	Black Pro Premium Resin Coated Sand with Stress Bond Technology	SB Prime Premium Resin Coated Sand with Stress Bond Technology	SB Excel Resin Coated Sand with Stress Bond Technology	Black Ultra™ Low Temperature Resin Coated Sand with Stress Bond Technology Ultra-low temperature resin coated sand for proppant flowback control without a consolidation aid			kRT™ Economical Stress Bond Resin Coated Sand				XRT Ceramax P Resin Coated Bauxite with Stress Bond Technology	XRT Ceramax V Resin Coated Intermediate Density Ceramic with Stress Bond Technology	XRT Ceramax E Resin Coated Lightweight Ceramic with Stress Bond Technology	PR6000 Precured Resin Coated Sand				
Mesh Size	20/40	30/50	40/70	16/30	20/40	30/50	40/70	30/50	40/70	40/70	20/40	20/40	16/30	20/40	30/50	20/40	30/50	40/70	100	20/40	-14+40	20/40	20/40	20/40	30/50	
Typical Closure Stress	10,000			8,000	10,000			12,000	12,000	10,000	8,000	8,000	10,000	10,000	10,000	12,000	> 14,000	14,000	12,000	8,000						
Typical Temperature Range	120–450			160–450				160–450	130–400	160–450	160–450	160–450	90–160	130–400				175–450	175–450	175–450	70–450					
Typical AcTivator™ Consolidation Aid Temperature Requirements ²	N/A			< 160				< 160	N/A	< 160	< 160	< 160	< 90	N/A				N/A	N/A	N/A	N/A					
Median Particle Diameter	0.6538	0.4396	0.3154	0.9116	0.6177	0.4382	0.3042	0.4513	0.2992	0.3036	0.6618	0.6384	0.7660	0.5775	0.3825	0.6257	0.4444	0.2900	0.2000	0.6847	0.7283	0.6372	0.6604	0.6355	0.4500	
Specific Gravity	2.56	2.55	2.59	2.61	2.56	2.60	2.59	2.60	2.59	2.60	2.63	2.59	2.59	2.61	2.59	2.61	2.62	2.62	2.61	3.43	3.01	2.97	2.59	2.59	2.61	
Pipe Fill Factor	0.0749	0.0793	0.0821	0.0815	0.0821	0.0827	0.0827	0.0827	0.0827	0.0815	0.0815	0.0821	0.0821	0.0784	0.0810	0.0768	0.0832	0.0856	0.0844	0.0624	0.0696	0.0693	0.0807	0.0763	0.0759	
Absolute Volume	0.0469	0.0470	0.0463	0.0459	0.0469	0.0461	0.0463	0.0461	0.0463	0.0461	0.0455	0.0463	0.0463	0.0459	0.0463	0.0459	0.0458	0.0458	0.0459	0.0350	0.0398	0.0404	0.0463	0.0463	0.0459	
Bulk Density	13.4	12.6	12.2	12.3	12.2	12.1	12.1	12.1	12.1	12.3	12.3	12.2	12.2	12.8	12.4	13.0	12.0	11.7	11.9	16.0	14.4	14.4	12.4	13.1	13.2	
Acid Solubility	≤ 0.3			≤ 0.3				≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.3				≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.3					
Fracture Diagnostics	Most products are available with optional PropTrac SM Fracture Diagnostics technology for determining propped fracture height (contact us for availability).																									

Note: Data listed was generated by Hexion laboratory testing. Results may vary based on sample collection variability.
Hexion proppants are compatible with most commonly used fracturing fluids.
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).

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

²For optimized AcTivator consolidation aid recommendations, contact a Hexion sales representative or oilfield@hexion.com.