

VersaProp®/InterProp® Intermediate Density Proppants

Summary of Typical Properties

Properties	Typical Sieve Analysis						ISO Mean Particle Diameter	Median Particle Diameter	Roundness/Sphericity	Bulk Density		Specific Gravity	Absolute Volume	Acid Solubility	Crush Resistance @ Stress %			
										grams/cc	lb/ft ³				7,500 (psi)	10,000 (psi)	12,500 (psi)	15,000 (psi)
Units/Method							mm	mm	Krumbein & Sloss			-	gal/lb	%				
VersaProp®	Sieve No	18	25	40	<40		0.76	0.74	0.9	1.88	117	3.2	0.0374	2.5	1.4	3.5	5.9	-
	% Retained	8	56	36	TR													
12/18 InterProp®	Sieve No	12	14	18	<18		1.38	1.35	0.9	1.88	117	3.2	0.0374	2.5	8.0	13.0	-	-
	% Retained	5	38	57	TR													
16/30 InterProp®	Sieve No	16	20	30	<30		0.98	0.95	0.9	1.88	117	3.2	0.0374	2.5	2.2	4.4	7.6	-
	% Retained	4	84	12	TR													
20/40 InterProp®	Sieve No	20	30	40	<40		0.73	0.71	0.9	1.88	117	3.2	0.0374	2.5	0.8	2.5	4.0	-
	% Retained	8	82	10	TR													
30/50 InterProp®	Sieve No	30	40	50	<50		0.48	0.47	0.9	1.88	117	3.2	0.0374	2.5	0.5	1.2	2.6	-
	% Retained	5	75	20	TR													
40/80 InterProp®	Sieve No	40	70	80	<80		0.34	0.33	0.9	1.88	117	3.2	0.0374	2.5	0.9	1.7	3.1	-
	% Retained	4	90	6	TR													
35/140 InterProp®-Hybrid (IP-H)	Sieve No	35	50	80	140	<140	0.29	0.28	0.9	1.88	117	3.2	0.0374	2.5	1.5	3.0	4.0	-
	% Retained	5	35	50	10	TR												

TR=Trace

Typical Property Summaries are derived from ISO test procedures and multiple Stim-Lab tests.

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Summary of Conductivities and Permeabilities

	Conductivity (md-ft)							Permeability (Darcies)						
	Closure Stress (psi)							Closure Stress (psi)						
	2,000	4,000	6,000	8,000	10,000	12,000	14,000	2,000	4,000	6,000	8,000	10,000	12,000	14,000
VersaProp®	9,120	6,930	5,027	3,292	2,238	1,397	–	540	428	322	220	158	104	–
InterProp® 12/18	34,915	25,251	14,137	7,428	4,222	2,621	–	2,034	1,530	902	501	300	195	–
InterProp® 16/30	16,560	13,100	8,950	5,630	3,180	2,260	–	1,020	815	580	375	220	150	–
InterProp® 20/40	7,830	6,585	5,230	3,615	2,375	1,720	–	485	415	335	235	160	110	–
InterProp® 30/50*	3,138	2,525	2,043	1,721	1,299	994	–	192	160	131	113	88	69	–
InterProp® 40/80	1,330	1,088	910	739	593	416	302	83	70	61	51	42	31	24
InterProp® 35/140*	936	735	539	361	242	153	105	58	47	35	25	17	11	8

*Tested at 300°F

Tested by Stim-Lab, Inc., Using Proppant Consortium Long Term Testing Procedures.

STIM-LAB Test Conditions

Cell Type	10 in ² API Modified with Ohio Sandstone Cores
Fluid	2% KCl, SiO ₂ saturated, O ₂ 5 ppb, pH 6.5
Test Duration	Hold 50 hours at each 2000 psi
Temperature	250°F
Proppant Concentration	2 lbs/ft ² Concentration



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www.proppants.saint-gobain.com

To order product and for 24-hour customer service
call 800.643.2149

Inventory Locations

United States:

Arkansas	Fort Smith
	Little Rock
Oklahoma	Clinton
North Dakota	Dickinson
	Gascoyne
	Minot
	Williston
Texas	Alice
	Kermit
	Odessa
Wyoming	Rock Spring

Canada:

Alberta	Grand Prairie
	Peers
	Red Deer

China:

Sichuan Province	Guanghan City
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