



Longchuan Industry District, Yangquan, 045200, P.R. China

CQLite™ – Technical Specifications

- Manufactured and Delivered by; ChangQing Proppant Corporation
- High quality proppant with high flow rates in both initial and postproduction stages for greater production and less drop-off.
- Perfect application for moderate well depth.
- Available in standard sizes: 20/40, 30/50 and 40/70

Physical Properties	CQLite™		
	US Mesh	Weight % Retained	
	20/40	30/50	40/70
18	0		
20	1.8		
25	42.0		
30	43.9	0.6	
35	12.1	10.2	
40	0.2	51.8	0.5
45	0.1	34.8	43.5
50	0.1	2.4	47.5
60		0.1	7.5
70			0.9
100			0.2
% in size	98.2	99.3	99.3
Median Diameter, mm	0.691	0.444	0.351
Crush fines *% by weight generated:			
@ 5,000 psi	≤ 1.0	≤ 1.0	≤ 1.0
@ 7,500 psi	≤ 3.0	≤ 2.0	≤ 1.0
@10,000 psi	≤ 7.0	≤ 5.0	≤ 3.0
@12,500psi	≤ 10.0	≤ 8.0	≤ 4.0
@15,000psi			
Sphericity	≥ 0.8	≥ 0.8	≥ 0.8
Roundness	≥ 0.8	≥ 0.8	≥ 0.8
Acid Solubility, %	≤ 5.0	≤ 5.0	≤ 5.0
Bulk Density, g/cc	1.40 – 1.60	1.40 – 1.60	1.40 – 1.60
Bulk Density, lb/cuft	90 – 100	90 – 100	90 – 100
Specific Gravity, g/cc	2.60 – 2.80	2.60 – 2.80	2.60 – 2.80
Absolute Volume, gal/lb	0.044	0.043	0.043
Turbidity, FTU	47-	55	53



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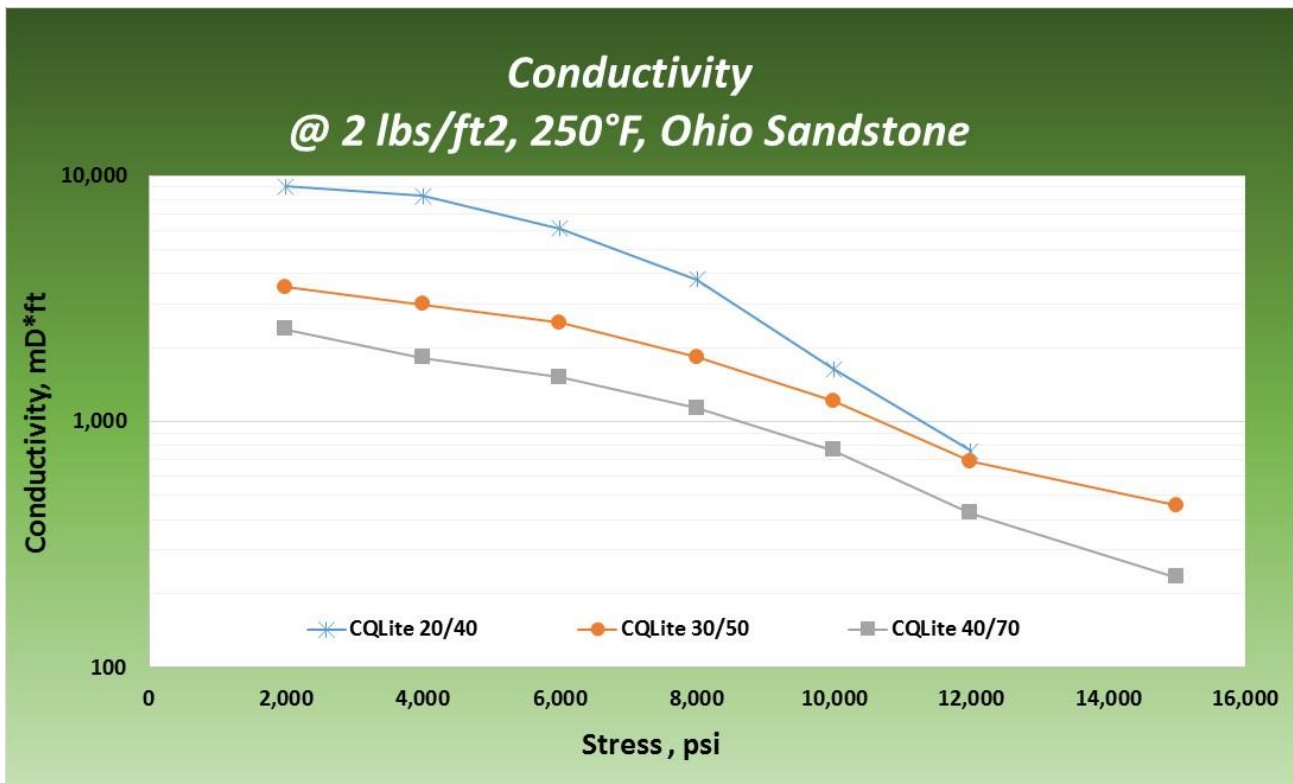
Long-term Conductivity (2 lb/ft², 250°F, with 2% KCl, Between Ohio sandstone)

Conductivity (md-ft):

Closure Stress (psi)	20/40	30/50	40/70
2,000	9,058	3,512	2,375
4,000	8,257	3,001	1,815
6,000	6,085	2,517	1,513
8,000	3,785	1,825	1,135
10,000	1,635	1,212	764
12,000	759	688	424
15,000		457	233

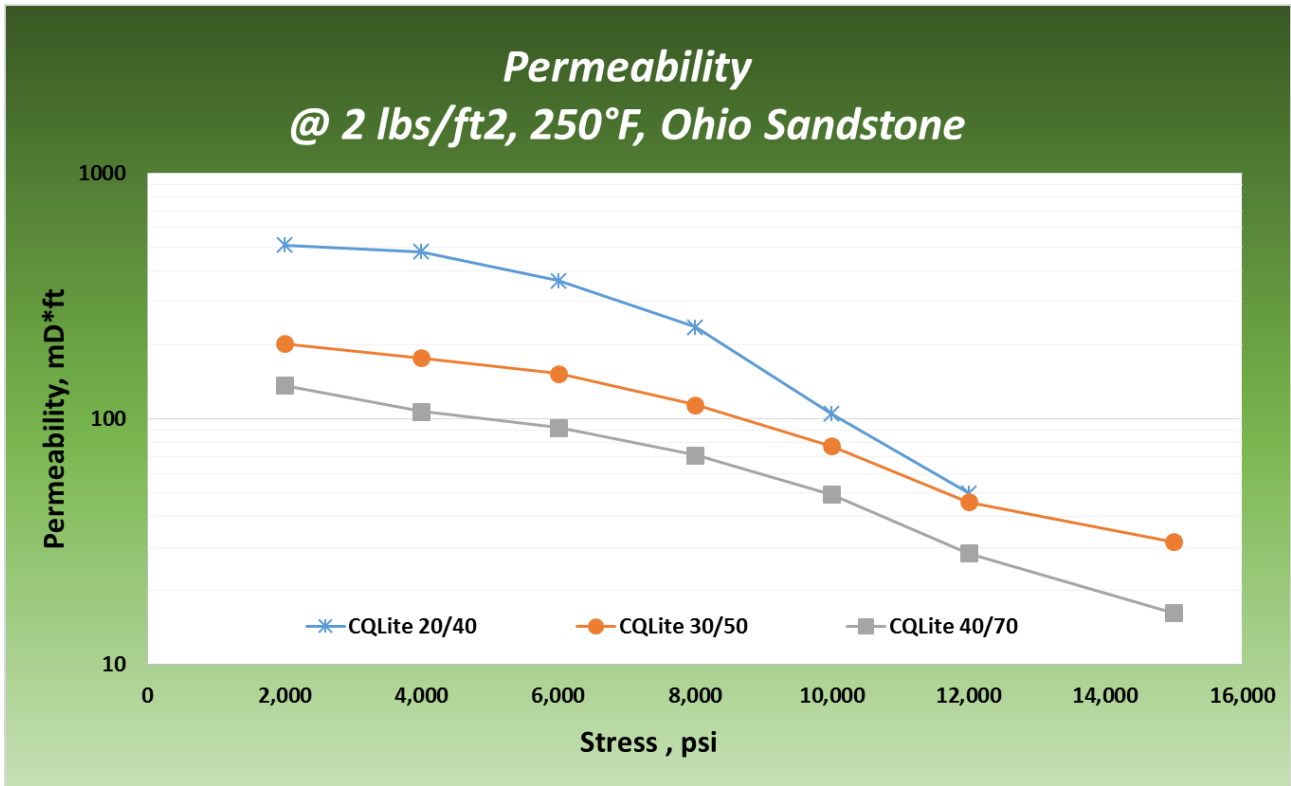
Permeability (Darcies):

Closure Stress (psi)	20/40	30/50	40/70
2,000	509	202	137
4,000	479	177	107
6,000	365	153	92
8,000	236	114	71.2
10,000	105	77.6	49.2
12,000	50	45.8	28.4
14,000		31.6	16.2





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All the above data are typical values obtained according to ISO 13503-2/API RP 19C, and ISO 13503-5. Actual conductivity may vary substantially due to gel damage, fines migration, and other factors.

For more information, please contact us at contact@cqprop.com.