

Pacific HSP - a high strength product

Specifications and Properties

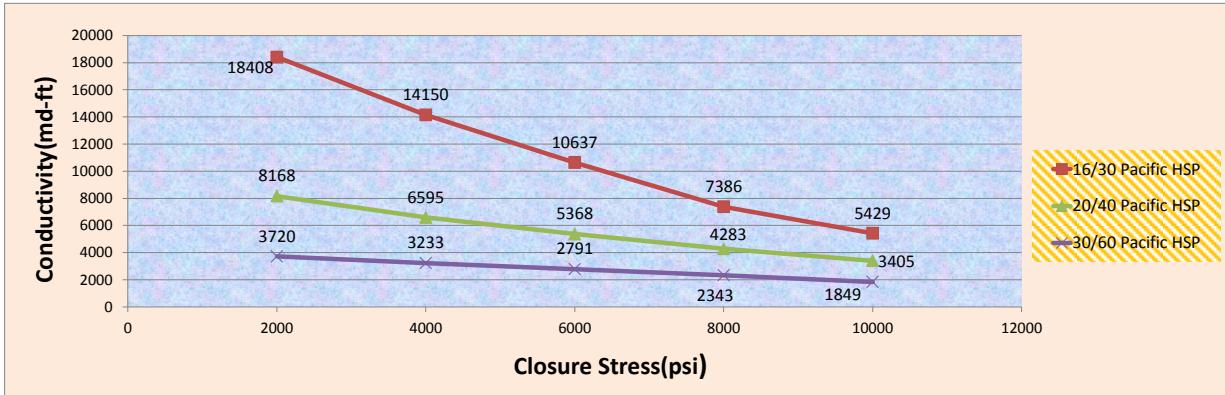
Pacific HSP					
16/30		20/40		30/60	
Sieve Analysis					
Sieve	Wt.% Retained	Sieve	Wt.% Retained	Sieve	Wt.% Retained
-14 + 16 mesh	3.0%	-16 + 18 mesh	0.0%	-20 + 25 mesh	0.0%
-16 + 18 mesh	30.0%	-18 + 20 mesh	4.0%	-25 + 30 mesh	3.0%
-18 + 20 mesh	55.0%	-20 + 25 mesh	45.0%	-30 + 40 mesh	70.0%
-20 + 25 mesh	12.0%	-25 + 30 mesh	40.0%	-40 + 50 mesh	25.0%
-25 + 30 mesh	0.0%	-30 + 40 mesh	11.0%	-50 + 60 mesh	2.0%
Median Particle Diameter					
956		697		430	
Crush Resistance					
Closure Stress	Fines %				
7500 psi					
10,000 psi	2.0		0.7		0.6
12,500 psi	3.8		1.4		1.3
15,000 psi	8.0		2.7		2.3
Physical Properties					
Roundness	0.9		0.9		0.9
Sphericity	0.9		0.9		0.9
Bulk Density	1.92 g/cm ³		1.90 g/cm ³		1.91 g/cm ³
	128 lb/ft ³		128 lb/ft ³		128 lb/ft ³
Apparent Density	3.41 g/cm ³		3.39 g/cm ³		3.40 g/cm ³
Acid Solubility	4.8%		4.2%		4.2%
Turbidity Test	55 FTU		40 FTN		42 FTN

Long Term Conductivity and Permeability

2 lb/ft² 16/30, 20/40, and 30/60 Pacific HSP
in 2% KCl between Ohio Sandstone at 250 ° F

Closure Stress (psi)	Conductivity (md/ft)			Permeability (darcies)		
	16/30	20/40	30/60	16/30	20/40	30/60
2000	18408	8168	3720	1207	539	254
4000	14150	6595	3233	939	440	224
6000	10637	5368	2791	721	370	197
8000	7386	4283	2343	515	302	167
10000	5429	3405	1849	393	246	134

Long Term Conductivity



Permeability

