

Pacific LDC - a Lightweight Product

Specifications and Properties

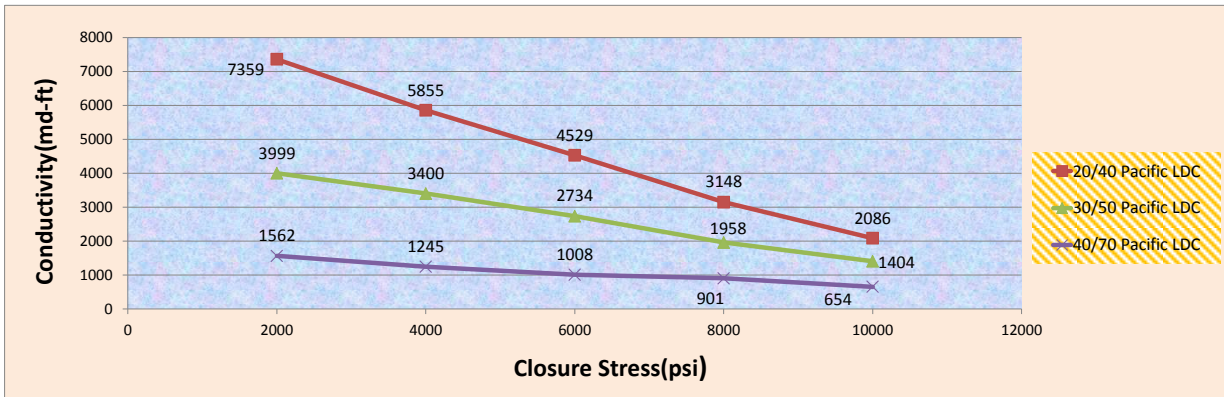
Pacific LDC					
20/40		30/50		40/70	
Sieve Analysis					
Sieve	Wt.% Retained	Sieve	Wt.% Retained	Sieve	Wt.% Retained
+18 mesh	0.0%	+30 mesh	1.0%	+40 mesh	0.6%
-18 + 20 mesh	0.0%	-30 + 35 mesh	47.2%	-40 + 45 mesh	33.1%
-20 + 25 mesh	10.2%	-35 + 40 mesh	49.6%	-45 + 50 mesh	59.2%
-25 + 30 mesh	66.5%	-40 + 45 mesh	2.1%	-50 + 60 mesh	6.7%
-35 + 35 mesh	23.2%	-45 + 50 mesh	0.0%	-60 + 70 mesh	0.3%
-35 + 40 mesh	0.1%	-50 mesh	0.0%	-70 mesh	0.0%
-40 mesh	0.0%				
Median Particle Diameter					
	0.638		0.500		0.342
Mean Diameter					
	0.643		0.504		0.345
Crush Resistance					
Closure Stress	Fines %				
5000 psi					
7500 psi	3.1%		2.4%		1.7%
10000 psi	7.7%		5.8%		4.5%
12500 psi					
Physical Properties					
Roundness	0.8		0.8		0.8
Sphericity	0.9		0.9		0.8
Bulk Density	1.61 g/cm ³		1.54 g/cm ³		1.52 g/cm ³
	100.5 lb/ft ³		96.1 lb/ft ³		94.8 lb/ft ³
Apparent Density	2.81 g/cm ³		2.75 g/cm ³		2.76 g/cm ³
Acid Solubility	5.1%		5.5%		6.9%
Turbidity Test	21 NTU		30 NTU		45 NTU

Long Term Conductivity and Permeability

2 lb/ft² 2 lb/ft² 20/40, 30/50, and 40/70 Pacific LDC
in 2% KCl between Ohio Sandstone at 250 ° F

Closure Stress (psi)	Conductivity (md/ft)			Permeability (darcies)		
	20/40	30/50	40/70	20/40	30/50	40/70
2000	7359	3999	1562	407	219	85
4000	5855	3400	1245	330	189	70
6000	4529	2734	1008	259	155	57
8000	3148	1958	901	184	114	52
10000	2086	1404	654	125	84	38

Long Term Conductivity



Permeability

