Premium Northern White Sands

PROPERTIES	UNITS/METHOD	16/30		20/40		30/50		40/70		50/140	
TYPICAL SIEVE ANALYSIS		SIEVE NO.	% RETAINED	SIEVE NO.	% RETAINED	SIEVE NO.	% RETAINED	SIEVE NO.	% RETAINED	SIEVE NO.	% RETAINED
		16	0.0	20	1.4	30	0.5	40	1.9	50	2.7
		18 20 25 30	98.5	25 30 35 40	97.2	35 40 45 50	98.1	45 50 60 70	98.0		97.2
		40	1.5	50	1.4	60	1.3	100	0.0	200	0.0
		Pan	<1	Pan	<1	Pan	<1	Pan	<1	Pan	<1
SPHERICITY	Krumbein	0.9		0.8		0.7		0.7		0.8	
ROUNDNESS	Krumbein	0.9		0.8		0.7		0.7		0.7	
TURBIDITY	NTU	35		31		223		30		36	
MEAN PARTICLE DIAMETER	mm	0.803		0.619		0.439		0.328		0.221	
BULK DENSITY	g/cc	1.57		1.54		1.55		1.51		1.50	
BULK DENSITY	lb/ft^3	97.70		96.32		96.70		93.91		93.50	
SPECIFIC GRAVITY	g/cc	2.63		2.59		2.64		2.64		2.64	
CRUSH		5K		7K		8K		11K		13K	
	PSI	Conductivity (md-ft)	Permeability (Darcy)	Conductivity (md-ft)	Permeability (Darcy)	Conductivity (md-ft)	Permeability (Darcy)	Conductivity (md-ft)	Permeability (Darcy)	Conductivity (md-ft)	Permeability (Darcy)
CLOSURE STRESS	1000	10802	576	4714	261	2163	121	1246	68	-	-
	2000	8832	480	4252	238	1956	111	1092	60	-	-
	4000	4767	271	2961	169	1550	89	878	49	-	-
	6000	1615	98	1568	92	1053	62	502	29	-	-
	8000	622	40	838	51	646	39	241	15	-	-

TESTING DATA REFERENCES: STIMLAB: 11103-2040-NW, 11103-3050-NW, 11103-4070-NW, 11223, 9686; PROPTESTER: 101-15-04-46-18-A, 101-15-04-46-18-B, 101-15-04-46-18-C, 101-15-10-65-09

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