BOXLEY

2025

Product Data Sheet
Plant: Piney River

I. GEOLOGICAL FORMATION: APLITE

II. CHEMICAL ANALYSIS (MARCH 2025) :

Silica	as SiO2	56.4%	Calcium	as CaO	5.3%
Iron	as Fe2O3	2.8%	Magnesium	as MgO	1.7%
Aluminum	as Al2O3	20.2%	Sulphur	as S	0.1%

III. QUALITY DATA:

			Product											
TEST	TEST DATE		MP 1	MP 2	MP 3	MP 57	IMP 68	MP 78	IMP 8/8P	9	B Sand	IMP A Sand	MP A Sand	10
SPECIFIC GRAVITY														
BULK (ASPHALT)	12/2024		2.744	2.735	2.730	2.738	2.749	2.736	2.752	2.717	2.709	2.720	2.708	2.703
BULK - SSD (CONCRETE)	12/2024		2.760	2.752	2.745	2.750	2.767	2.753	2.769	2.740	2.733	2.738	2.728	2.727
APPARENT	12/2024		2.788	2.784	2.771	2.769	2.799	2.784	2.799	2.781	2.775	2.771	2.762	2.769
% ABSORPTION	12/2024		0.6%	0.6%	0.5%	0.4%	0.7%	0.6%	0.6%	0.9%	0.9%	0.7%	0.7%	0.9%
DRY RODDED (LBS/CUBIC FT)	12/2024		99.3	100.3	98.9	103.3	104.8	94.2	103.4	94.4	104.8	110.4	103.8	113.4
DRY RODDED (LBS/CUBIC YARD)	12/2024		2681	2708	2670	2789	2830	2543	2792	2549	2830	2981	2803	3062
DRY RODDED (% VOIDS)	12/2024		42.0%	41.2%	41.9%	39.5%	38.9%	44.8%	39.9%	44.3%	38.0%	34.9%	38.6%	32.7%
DRY RODDED (Kg/Cubic Meter)	12/2024		1591	1607	1584	1655	1679	1509	1656	1512	1679	1768	1663	1816
VTM-5 % VOIDS IN STONE SAND	12/2024										45.1%	49.6%	45.0%	43.7%
ASTM C1252 % VOIDS (METH B)	12/2024										52.6%	48.6%	52.9%	54.3%
ASTM C1252 % VOIDS (METH C)	12/2024										45.8%	40.7%	46.2%	41.7%
ASTM D4791 % F & E (3:1)	12/2024					19.0%	2.7%	26.2%	3.3%					
* LOS ANGELES DEGRADATION *														
GRADING A % LOSS	12/2024	16.7%												
GRADING B % LOSS	12/2024	12.9%												
GRADING C % LOSS	12/2024	17.3%												
SOUNDNESS % LOSS (Magnesium Sulfate)	12/2024		0.4%	0.4%	0.3%	0.3%	0.3%	0.3%	0.3%	3.5%	5.2%	6.2%	6.3%	4.5%
SOUNDNESS % LOSS (Sodium Sulfate)														
* SUPERPAVE *														
ASTM C1252 % VOIDS (METH A)	12/2024										47.9%	44.8%	49.1%	49.7%
AASHTO T 176 SAND EQUIVALENT	12/2024										96	96	96	82
ASTM D4791 % F & E (5:1)	12/2024					2.2%	0.0%	2.7%	0.0%					

Last Updated: 3/28/2025