

I. GEOLOGICAL FORMATION: ARVONIA SLATE
 II. CHEMICAL ANALYSIS (May 2024) :

Silica	as SiO ₂	33.8%	Calcium	as CaO	24.6%
Iron	as Fe ₂ O ₃	4.8%	Magnesium	as MgO	2.5%
Aluminum	as Al ₂ O ₃	9.5%	Sulphur	as S	0.1%

III. QUALITY DATA:			Product								
TEST	TEST DATE		2	357	5L	VDOT 57	57L	VDOT 8	8L	9	A SAND
* SPECIFIC GRAVITY *											
BULK (ASPHALT)	4/2024		2.781	2.779	2.791	2.772	2.770	2.784	2.773	2.773	2.736
BULK - SSD (CONCRETE)	4/2024		2.791	2.790	2.798	2.787	2.787	2.804	2.790	2.746	2.757
APPARENT	4/2024		2.809	2.811	2.812	2.815	2.818	2.841	2.821	2.771	2.795
% ABSORPTION	4/2024		0.4%	0.4%	0.3%	0.6%	0.6%	0.7%	0.6%	0.5%	0.8%
* UNIT WEIGHT *											
DRY RODDED (LBS/CUBIC FT)	4/2024		98.1	108.9	95.6	92.9	96.7	93.7	97.9	94.6	101.8
DRY RODDED (LBS/CUBIC YARD)	4/2024		2648.7	2940.3	2581.2	2508.3	2610.9	2529.9	2643.3	2554.2	2748.6
DRY RODDED (% VOIDS)	4/2024		43.5%	37.2%	45.1%	46.3%	44.1%	46.1%	43.4%	44.5%	40.4%
DRY RODDED (Kg/Cubic Meter)	4/2024		1571	1744	1531	1488	1549	1501	1568	1515	1631
VTM-5 % VOIDS IN STONE SAND	4/2024										57.0%
ASTM C1252 % VOIDS (METH B)	4/2024										55.3%
ASTM C1252 % VOIDS (METH C)	4/2024										53.2%
ASTM D4791 % F & E (3:1)	4/2024					33.7%	55.4%	50.7%	57.4%		
* LOS ANGELES DEGRADATION *											
GRADING A % LOSS	4/2024	21.1%									
GRADING B % LOSS	4/2024	21.8%									
GRADING C % LOSS	4/2024	18.9%									
SOUNDNESS % LOSS (Magnesium Sulfate)	4/2024		0.5%	0.3%	0.3%	0.2%	0.5%	0.5%	0.4%	6.4%	7.2%
SOUNDNESS % LOSS (Sodium Sulfate)											
* SUPERPAVE *											
ASTM C1252 % VOIDS (METH A)	4/2024										50.8%
AASHTO T 176 SAND EQUIVALENT	4/2024										89
ASTM D4791 % F & E (5:1)	4/2024					9.7%	19.2%	28.4%	29.7%		