

SCDOT Coarse Aggregate Level II: Laboratory Testing

Important Properties of Aggregate

- Shape
- Surface texture
- Gradation
- Specific gravity
- Absorption
- Hardness
- Soundness
- Strength
- Deleterious materials

Definitions

- Nominal Maximum Size – The first sieve above the first sieve to retain more than 10%
- Maximum Size – The first sieve larger than nominal maximum size

EXAMPLE

Sieve	% Pass	
1"	100	Maximum Size
3/4"	90	Nominal Maximum Size
1/2"	52	
3/8"	34	
#4	6	
#8	3	