



Material Data Sheet
AREMA 4A
Product Code 401

Sieve Size		Specification	Sieve Size		Typical Gradation
Inch	Metric	% Passing	Inch	Metric	% Passing
2 1/2"	63.0mm	100	2 1/2"	63.0mm	100
2"	50.0mm	90-100	2"	50.0mm	93
1 1/2"	37.5mm	60-90	1 1/2"	37.5mm	72
1"	25.0mm	10-30	1"	25.0mm	24
3/4"	19.0mm	0-10	3/4"	19.0mm	8
1/2"	12.5mm	---	1/2"	12.5mm	5
3/8"	9.5mm	0-3	3/8"	9.5mm	3
No. 4	4.75mm	---	No. 4	4.75mm	2
No. 200	75µm	---	No. 200	75µm	1.0

Specific Gravity

Dry Bulk	2.678	ASTM C127 and AASHTO T85
S.S.D.	2.691	ASTM C127 and AASHTO T85
APP	2.712	ASTM C127 and AASHTO T85
Absorption	0.47	ASTM C127 and AASHTO T85

Los Angeles Abrasion

Grading	A	% Loss by mass	21%	ASTM C131 and AASHTO T96
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Sodium Sulfate Soundness

Weighted Averaged % Loss	1%	ASTM C88 and AASHTO T104
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Hardness Test

MOH's Hardness Test	3
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Unit WT. Lb. Cubic Foot

Dry Loose	86	lbs. pcf	ASTM C29 and AASHTO T19
Dry Rodded	96	lbs. pcf	ASTM C29 and AASHTO T19

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