
Standard Specification for Fine Aggregate for Asphalt Mixtures

AASHTO Designation: M 29-12 (2024)¹

Technically Revised: 2012

Reviewed but Not Updated: 2024

Technical Subcommittee: 1c, Aggregates

ASTM Designation: D1073-16



**American Association of State Highway and Transportation Officials
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1. SCOPE
- 1.1. This specification covers fine aggregate for use in asphalt mixtures.
- 1.2. This specification is intended to describe material from a single supplier. When material from two or more suppliers is to be blended to produce a grading to meet requirements as described in a specification for asphalt mixtures, the grading requirements of Table 1 of this specification need not apply.

Table 1—Grading Requirements for Fine Aggregates

Sieve Size	Amounts Finer Than Each Laboratory Sieve (Square Openings), Mass, %				
	Grading No. 1	Grading No. 2	Grading No. 3	Grading No. 4	Grading No. 5
9.5 mm (3⁄8 in.)	100	—	—	100	100
4.75 mm (No. 4)	95 to 100	100	100	80 to 100	80 to 100
2.36 mm (No. 8)	70 to 100	75 to 100	95 to 100	65 to 100	65 to 100
1.18 mm (No. 16)	40 to 80	50 to 74	85 to 100	40 to 80	40 to 80
600 μm (No. 30)	20 to 65	28 to 52	65 to 90	20 to 65	20 to 65
300 μm (No. 50)	7 to 40	8 to 30	30 to 60	7 to 40	7 to 46
150 μm (No. 100)	2 to 20	0 to 12	5 to 25	2 to 20	2 to 30
75 μm (No. 200)	0 to 10	0 to 5.0	0 to 5.0	0 to 10	—

- 1.3. The values stated in SI units are to be regarded as the standard. Inch-pound units, shown in parentheses, are for information only.
- Note 1—When obtaining materials from two or more suppliers that do not meet the gradings in Table 1 and that are to be blended, it is recommended that the specifying or the ordering agency specify the alternative gradings to be supplied.

2. REFERENCED DOCUMENTS
- 2.1. AASHTO Standards:
- R 90, Sampling Aggregate Products

■ T 11, Materials Finer Than 75-μm (No. 200) Sieve in Mineral Aggregates by Washing

■ T 27, Sieve Analysis of Fine and Coarse Aggregates

■ T 84, Specific Gravity and Absorption of Fine Aggregate

■ T 89, Determining the Liquid Limit of Soils