PGE Sand

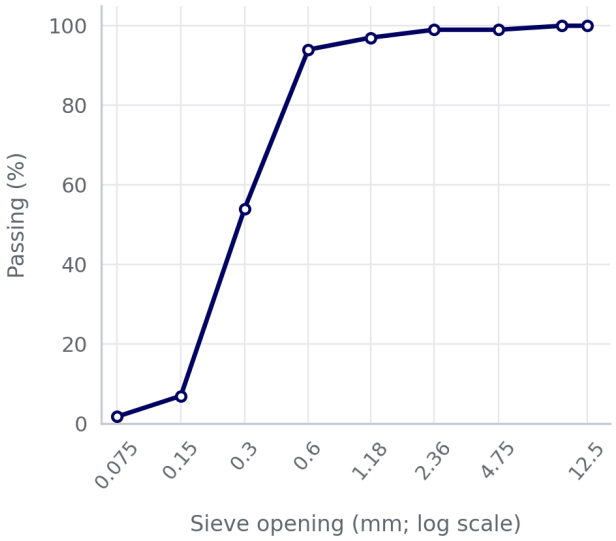
Clean Washed Utility Sand | SKU: SND-PGE-105

Fresh-water, clean washed select sand. The gradation and material properties below are provided for product selection and project submittal review.

Particle size distribution

Sieve opening	Reported[1] (% passing)	Ref. limit[2] (%)
37.5 mm (1 1/2 in)	-	-
25 mm (1 in)	-	-
19 mm (3/4 in)	-	-
12.5 mm (1/2 in)	100	-
9.5 mm (3/8 in)	100	100
4.75 mm (No. 4)	99	90-100
2.36 mm (No. 8)	99	-
1.18 mm (No. 16)	97 +/- 3	-
600 µm (No. 30)	94 +/- 5	-
300 µm (No. 50)	54 +/- 5	-
150 µm (No. 100)	7 +/- 1	-
75 µm (No. 200)	1.8 +/- 1	0-15

Gradation curve



Central reported values are plotted. Connecting lines guide the eye; +/- ranges remain in the table.

1. Values and +/- ranges are reproduced from the supplied reference. A dash (-) means no value or limit was provided.

2. Reference limits appear only where listed in the supplied sheet. See page 2 for material properties and the specification reference.

A separate guide to the terms, units and test results appears on page 3.

Material properties & reference

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Property	Reported value	Reference limit
Sand equivalent	92	-
Minimum resistivity	5,900 ohm-cm*	>3,000 ohm-cm
Soil pH	7.2	4.5 to 9
Chloride	16.1 ppm	-
Sulfate	31.6 ppm	-
Plasticity index	Non-plastic	-
Organic impurities	Not present	-

* The source reports 5.90 ohms-cm (x1,000), shown here as 5,900 ohm-cm. A dash (-) means no reference limit was provided.

Specification reference

PG&E EMS-4123 (9-7-16), as cited in the supplied sheet. Reference limits are reproduced from that sheet; the current standard was not independently reviewed.

Project review. The source does not provide a sample date, test date, test methods or batch identification. This is a product data summary, not an independent laboratory report or PG&E approval. Confirm project acceptance and required documentation before ordering.

Understanding this spec sheet

A beginner's guide | PGE Sand | SKU: SND-PGE-105

SKU identifies the product. A **specification** sets material requirements; its edition or date matters. The examples below explain the reported data on pages 1-2.

Sieve openings, mm and µm [1]

A sieve is a screen that sorts grain sizes. Its number names a standard opening: No. 200 is 75 µm (0.075 mm). One millimeter (mm) equals 1,000 micrometers (µm).

Percent passing [1]

The share of the sample by mass that passes a sieve. At No. 50, 54% passing means about 54% of the sample passes the 0.300 mm opening.

Gradation curve [1]

Shows the mix of grain sizes. Read opening size along the bottom and percent passing up the side. The log scale uses equal spacing for equal size ratios.

Fines / No. 200 [1]

Fines pass the 0.075 mm sieve. The reported central value is 1.8%. This includes silt- and clay-size material; it is not a separate clay-content result.

Reported value vs. reference limit

Reported values describe the supplied material data. A reference limit is a requirement. Meeting the few limits shown does not establish full project approval.

+/- ranges and dashes

97 +/- 3 reads as 94-100% passing: three percentage points each way. The source does not explain the range's statistical basis. A dash means no value given, not zero.

Sand equivalent (SE) [2]

A test indicator of clay-like fines and dust. Higher values generally mean cleaner fine aggregate. SE 92 does not mean 92% sand.

Resistivity / ohm-cm [3]

Resistance to electric current. 5.90 x 1,000 means 5,900 ohm-cm. Moisture and test conditions affect this value; it is not a strength rating.

Soil pH [4]

Acidity or alkalinity: around 7 is neutral, lower is acidic and higher is alkaline. Reported pH 7.2 is slightly alkaline. It does not measure nutrients.

Chloride, sulfate and ppm

Chemical concentrations reported in parts per million (ppm). Acceptance depends on the required test method and project limits.

Plasticity index / non-plastic [1]

Moisture range in which fine soil acts like moldable putty. Non-plastic (NP) means a plastic range was not established. It is not a compaction rating.

Organic impurities

The source reports "not present" for this check. That finding is separate from a nutrient analysis or organic-matter percentage. The test method was not supplied.

Terminology references only; the producer's test methods are not stated.
[1] FHWA Ch. 5 / P43 | [2] Caltrans CT 217 | [3] Caltrans CT 643 | [4] USGS: pH

Disclaimer

All listed data and test results are supplied by the material producer or a third-party laboratory.

Materials are natural blends that are machine processed, not manufactured to an exact composition. TerraBay Materials does not guarantee specific nutrient analyses or exact composition percentages. The installer is responsible for confirming product suitability for the intended application.

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