

Material and Application Guide

Pea Gravel – Highland



EDW. C. LEVY CO.

8800 Dix Avenue, Detroit, Michigan 48209

Phone (313) 429-LEVY

Fax (313) 429-2448

e-mail sales@edwclevy.net

<http://www.edwclevy.com>

Material: Natural Gravel

Product: Pea Gravel – Commercial

Location: American Aggregate, Highland Plant

Applications: Pipe bedding material
Filter gravel in septic fields
Decorative stone for landscaping

Description: An open graded coarse aggregate, produced by washing and screening natural gravel. The particles are sized from 1/2" (12.5mm) to #8 mesh (2.36mm) and were formed by the natural disintegration of numerous types and colors of rocks by glacial or riverbed action into primarily round particles.



Pea Gravel – Actual size shown

Material Properties: Commercial

Pea Gravel is produced to commercial requirements

Gradation:

U.S. Sieve Metric Sieve	½" 12.5mm	¾" 9.5mm	#4 4.75mm	#8 2.36mm	LBW	Crushed Material
MDOT 34R Specification	100	90-100	-	0-5	0-3.0	< 20 (1 Face)
2008 Average	100	95	13	1	0.5	19

Physical Properties:

- ASTM C 29, Loose Unit Weight (Average of last 2 tests) – 99 lb/ft³
- ASTM C 29, Rodded Unit Weight (Average of last 2 tests) – 105 lb/ft³
- ASTM C 127, Bulk Specific Gravity Dry (Average of last 2 tests) – 2.62
- ASTM C 127, Bulk Specific Gravity SSD (Average of last 2 tests) – 2.66
- ASTM C 127, Absorption (Average of last 2 tests) – 1.5%
- MTM 110, Soft Particles (2008 Average) – 0.9%
- MTM 110, Clay-Ironstone Particles (2008 Average) – 0.7%
- MTM 110, Chert Particles (2008 Average) – 2.7%
- MTM 110, Sum of Soft Particles and Chert (2008 Average) – 4.3%
- ASTM C 142, Clay Lumps and Friable Particles in Aggregate – 0.2%
- ASTM C 123, Light Weight Particles (Coal and Lignite) In Aggregate – 0.2%
- ASTM C 88, Soundness of Aggregate by Use of Magnesium Sulfate – 4% loss

General Usage Guide:

The Pea Gravel should be placed into the prepared area as shown in the design plans.

Field Estimating Quantities – Pipe Bedding Material (In Place):

	10 sq. yd.	20 sq. yd.	50 sq. yd.	100 sq. yd.	200 sq. yd.	500 sq. yd.	1,000 sq. yd.
6" Deep	2 tons	4 tons	11 tons	22 tons	43 tons	108 tons	217 tons
8" Deep	3 tons	6 tons	14 tons	29 tons	58 tons	144 tons	289 tons
10" Deep	4 tons	7 tons	18 tons	36 tons	72 tons	181 tons	361 tons
12" Deep	5 tons	9 tons	22 tons	43 tons	87 tons	217 tons	433 tons
18" Deep	7 tons	13 tons	33 tons	65 tons	130 tons	325 tons	650 tons

This information is not to be taken as warranty or representation for which we assume legal responsibility nor as permission or recommendation to practice any patented invention without a license. It is offered solely for your consideration, investigation and verification.