

Ennis-Flint Reflective Glass Beads

PRODUCT DATA

Product Type: **P200 Performance** (Formerly DuoLux®)
Product Code:
Product Color: Clear
Specification: Meets Glass Bead Spec for AASHTO M247 Type 2
(See additional list below)
Effective Date: 05/20/15

Product Description:

P200 beads are premium beads with the best price-performance ratio for high-quality applications and results. Combines the advantages of standard beads and high-performance beads.

Recommended Applications:

- High-quality drop-on as well as premix applications
- Can be applied with standard road marking equipment

Packaging:

50lb bags, 2000lb boxes or super sacks @ 2000, 2200, or 2400 lbs.

Storage:

Store at room temperature.
Store in a dry place.
Very slippery when spilled, pick-up immediately.
This product is primarily engineered for pavement and/or runway markings, and is not intended for use in humans.

Roundness:

70% to 85% true spheres, actual is based on customer specification.

Dangerous Substances:

None. Heavy Metals testing as required.

Similar Specifications:

CO Blend
GA Small – Alternate
MD Blend Spec
MS Hot Mix Spec
MO PM Performance Spec
OH Type C
UT Longitudinal Performance Spec

Chemical Composition (by weight)

Silica (SiO ₂)	62-72%
Aluminum Oxide (Al ₂ O ₃)	0-5%
Calcium Oxide (CaO)	6-17%
Magnesium Oxide (MgO)	1-5%
Sodium Oxide (Na ₂ O)	10-20%
Iron Oxide (Fe ₂ O ₃)	<0.8%

Physical Properties

Specific Gravity	2.48-2.52 g/cm ³
Softening Temperature	650°C
Coefficient of Thermal Expansion	90 x 10 ⁻⁷ /°C (30-300°C)
Strength	60,000 to 65,000 psi.
Vicker Hardness	756,250 psi
Refractive Index	1.50 to 1.55 (nD)

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