swarco

Road Marking Systems

TT-B 1325 TYPE I – GRADATION A
GLASS BEADS FOR AIRFIELD MARKINGS

PRODUCT DESCRIPTION

Reflective glass spheres for drop-on applications with reflective airfield markings:

US MESH	MICRON	% PASSING
20	850	100
30	600	80-100
50	300	18-35
100	150	0-10
200	75	0-2

PHYSICAL PROPERTIES

- **Appearance**
  Beads shall be colorless, transparent, spherically shaped, essentially free of air inclusions and carbon residue and conform to the above gradation in accordance with ASTM D1214 and / or AASHTO PP-74.

- **Roundness**
  Minimum 80% true spheres as measured according to ASTM D-1155 and/or AASHTO PP-74.

- **Index of Refraction**
  1.50 to 1.55 by oil immersion method.

- **Chemical Resistance**
  to hydrochloric acid, water, calcium chloride, and sodium sulfide as tested per methods outlined in sections 4.3.6 to 4.3.9 of the TT-B Federal Spec. 1325.

- **Moisture Resistance & Flow Characteristics**
  Beads shall not absorb moisture when stored properly. They shall remain free of clusters and lumps and flow freely from dispensing equipment.

- **Coatings**
  Per customer request and specification - Moisture Resistance, Adherence Coating, Dual Coating, and Flotation.

- **Heavy Metals**
  Meets and / or exceeds all MAP-21 requirements. Testing upon request.

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PERFORMANCE

SWARCO glass beads perform well in all binder systems, including alkyd and hydrocarbon thermoplastic, water and solvent based paint, epoxy, and methyl methacrylate.

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable but the accuracy and completeness thereof is not guaranteed. Data is subject to alteration due to technical advances.

Above information not to be taken as a warranty or representation for which we assume legal responsibility. It is offered solely for consideration, investigation and verification.

If you have any questions about proper application techniques or other technical support issues, please contact your SWARCO sales or customer service representative.

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