DESCRIPTION
Perlite ore is a glassy volcanic rock with a vitreous, pearly luster and a characteristic concentric or perlite fracture. Closely related to pumice, it differs from other volcanic glasses principally in its combined water content, which produces the unusual characteristic of expanding, or “popping,” up to 20 times its original volume upon being exposed to rapid, controlled heating. Rapidly heating perlite ore to temperatures of about 900°C (1,700°F) softens the volcanic glass, causing entrapped water molecules in the rock to turn to steam and expand the particles like popcorn. The resulting expanded particles—actually clusters of minute glass bubbles—are spherical in shape, usually fluffy or frothy, highly porous due to a foam-like cellular internal structure, and have a very low density.

GRADE APPLICATIONS
Used for: masonry loose fill insulation, lightweight concrete and plaster sand, cryogenic applications, high-temperature insulative applications, water retentive fines in engineered soils and soilless grow media, functional bulking agent, filter aid.

PACKAGING OPTIONS
• Plastic Bags (4 cubic feet)
• Super sacks (55 or 118 cubic feet)