

Galena PbS

This is the Lead sulfide mineral, which is the primary ore of Lead. It has an isometric crystal system and has a cubic lead-gray crystals sometimes with cubo-octahedrons. In ancient times galena was smelted to make weapons with evidence dating back to 6500 Bc. Galena was heated under embers of a campfire and the metal was retrieved beneath after it was cooled. It has a hardness 2.5-2.8 and is very dense. It has a perfect cleavage parallel to the cube faces. It is opaque with a bright metallic luster. It has a dark grey luster. Galena is a hydrothermal mineral found in medium temperature deposits, found together with Sphalerite and argentite. It is also found in sedimentary environments, and metamorphic settings.



Galena R36