

Sodalite

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General Mineral Formula: $\text{Na}_8\text{Al}_6\text{Si}_6\text{O}_{24}\text{Cl}_2$

Mineral Chemical Class: Tectosilicates

Specific Gravity: 2.27-2.33

Hardness: 5.5-6.0

Cleavage: {110} Poor. Uneven, Conchoidal Fracture Brittle

Luster: Vitreous

Streak: White. But the streak of lazurite may be blue.

Characteristic Color(s): Light-Dark Blue; May vary. May Fluoresce

Crystal System: Isometric

Crystal Class: $\bar{4}3m$

Crystal Description (common forms, habit, etc.): Massive, An-hedral.

Environment (where you find the material: Silicon-deficient, al-kali-rich igneous rocks. Forms with feldpathoids.

Common Mineral Associations (in samples, also consult text, notes: Lazurite, pyroxene, calcite and other silicates.

Scientific Usage/Significance: Few. Folk medicine for Diabetes. Ex-ample of fluorescence.

Industrial or Social Use/Significance: Dimension stone. Used to face buildings and other decorative purposes. Folk medicine for diabetes.

Environmental Significance: Very little. Can be found in contact, metamorphosed carbonate rocks.