

# Triphylite mineral definition

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Secondary mineral commonly pseudomorphous of the original species. Branchville, Connecticut, USA. Link to MinDat Location Data. From the Greek tri - "threefold"; and fylon - "family"; in allusion to the ...

Triphylite is a lithium iron (II) phosphate mineral with the chemical formula  $\text{LiFePO}_4$ . [6] It is a member of the triphylite group and forms a complete solid solution series with the lithium manganese (II) ...

Triphylite is named from the Greek words "tria", for threefold, and "phylon", family, alluding to it as being a mineral group with three cations (Fe, Li, and Mn).

Description: Triphylite forms bluish-green massive material in complex granitic pegmatites. It is often found with many other rare phosphates. Triphylite readily alters to earthy iron oxides and other iron ...

Triphylite is a primary iron and lithium phosphate found exclusively in sodolithic granitic pegmatites and is probably the most common phosphate in these formations. It forms a continuous series with ...

Triphylite, common phosphate mineral, lithium iron phosphate ( $\text{LiFePO}_4$ ), usually forming bluish or grayish, glassy masses in lithium- and phosphate-rich granite pegmatites.

Triphylite is a primary phosphate mineral found in phosphatic pegmatites and pegmatitic dikes. It alters easily into other phosphate minerals, especially manganese phosphates. These rare phosphate ...

Triphylite is a lithium iron (II) phosphate mineral with the chemical formula  $\text{LiFePO}_4$ . It is a member of the triphylite group and forms a complete solid solution series with the lithium manganese (II) ...

**TRIPHYLITE** definition: a mineral, a rare phosphate of lithium, iron, and manganese, usually occurring in masses of a bluish or greenish color. See examples of triphylite used in a sentence.



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Triphylite Group. Triphylite-Lithiophilite Series. The most abundant primary phosphate mineral in phosphate and other complex pegmatites, in which it occurs as coarsely crystalline masses, rarely in ...

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