

Popugaevaite



Crystal Data: Monoclinic. *Point Group:* *m*.

Physical Properties: *Cleavage:* *Tenacity:* *Fracture:*
Hardness = D(meas.) = D(calc.) =

Optical Properties: *Color:* *Streak:* *Luster:*
Optical Class:

Cell Data: *Space Group:* *Pn*. $a = 8.705(1)$ $b = 8.102(1)$ $c = 14.812(2)$ $\beta = 91.367(7)^\circ$

X-Ray Diffraction Pattern: International diamond mine, Irelyakh river basin, 10 km southwest of Mirny, Sakha Republic, Siberia, Russia.
8.12 (100), 4.058 (27), 2.834 (16), 3.577 (15), 7.13 (12), 2.936 (10), 2.283 (10), 2.104 (9)

Chemistry:

Polymorphism & Series:

Mineral Group: The fluorine analogue of brianroulstonite.

Occurrence:

Association:

Distribution: From the International diamond mine, Internatsional'naya kimberlite pipe, Irelyakh river basin, 10 km southwest of Mirny, Sakha Republic, Siberia, Russia.

Name:

Type Material: A.E. Fersman Mineralogical Museum, RAS, Moscow, Russia (5465/1).

References: (1) Miyawaki, R., F. Hatert, M. Pasero, and S.J. Mills (2020) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 54. New minerals and nomenclature modifications approved in 2020. *Mineral. Mag.*, 84, 862-863.