

Crystal Data: Cubic. *Point Group:* $4/m\bar{3}2/m$. Grains, to 0.8 mm, slaglike; as overgrowths on eskolaite–karelianite.

Physical Properties: *Tenacity:* Brittle. Hardness = 5 VHN = 477–541, 511 average (50 g load). D(meas.) = n.d. D(calc.) = 4.28 Strongly magnetic.

Optical Properties: Opaque. *Color:* Black; pale creamy in reflected light.

Luster: Adamantine to metallic luster.

Optical Class: Isotropic.

R: (400) —, (420) —, (440) 23.2, (460) 24.5, (480) 25.7, (500) 26.4, (520) 26.5, (540) 26.5, (560) 26.8, (580) 27.0, (600) 27.4, (620) 27.5, (640) 27.1, (660) 26.6, (680) 26.3, (700) 26.2

Cell Data: *Space Group:* $Fd\bar{3}m$ (by analogy to CuCr₂S₄). $a = 10.005(6)$ $Z = 8$

X-ray Powder Pattern: Slyudyanka complex, Russia.

3.01 (10), 1.768 (10), 2.50 (8), 1.923 (8), 1.021 (8), 1.302 (6), 3.53 (5)

Chemistry:

	(1)
Cu	18.80
Zn	0.75
Cr	24.24
Sb	19.17
V	0.02
S	38.45
Total	100.43

(1) Slyudyanka complex, Russia; by electron microprobe, corresponding to (Cu_{0.97}Zn_{0.04})_{Σ=1.01}(Cr_{1.53}Sb_{0.52})_{Σ=2.05}S_{3.94}.

Mineral Group: Linnaeite group.

Occurrence: Found in a granulite complex, in Cr- and V-rich metasediments.

Association: Cuprian kalininite, uvarovite–goldmanite, karelianite–eskolaite, pyrite, ilmenite, pyrrhotite, magnesiochromite, chalcopyrite, franklinite, barite, apatite, zircon, tremolite, diopside, calcite, quartz.

Distribution: From the Pereval marble quarry, near Slyudyanka, Sayan Mountains, south of Lake Baikal, Siberia, Russia [TL].

Name: To honor Nikolai Aleksandrovich Florensov (1909–1986), Ukrainian geologist, Director of the Institute of the Earth's Crust, Irkutsk, Russia.

Type Material: Central Siberian Geological Museum, Novosibirsk; Mining Institute, St. Petersburg, Russia, 2077/1–2.

References: (1) Reznitskii, L.Z., E.V. Sklyarov, L.F. Piskunova, and Z.F. Ushchapovskaya (1989) Florensovite Cu(Cr_{1.5}Sb_{0.5})S₄ – a new sulfospinel from Pribaikalya. *Zap. Vses. Mineral. Obshch.*, 118(1), 57–65. (2) (1990) *Amer. Mineral.*, 75, 1209–1210 (abs. ref. 1).