

## 14197

### PHYSICAL CHARACTERISTICS

Mass

1.63 g

Dimensions

2.0 x 1.5 x 0.5 cm

This sample is very fine grained and appears to be completely recrystallized.

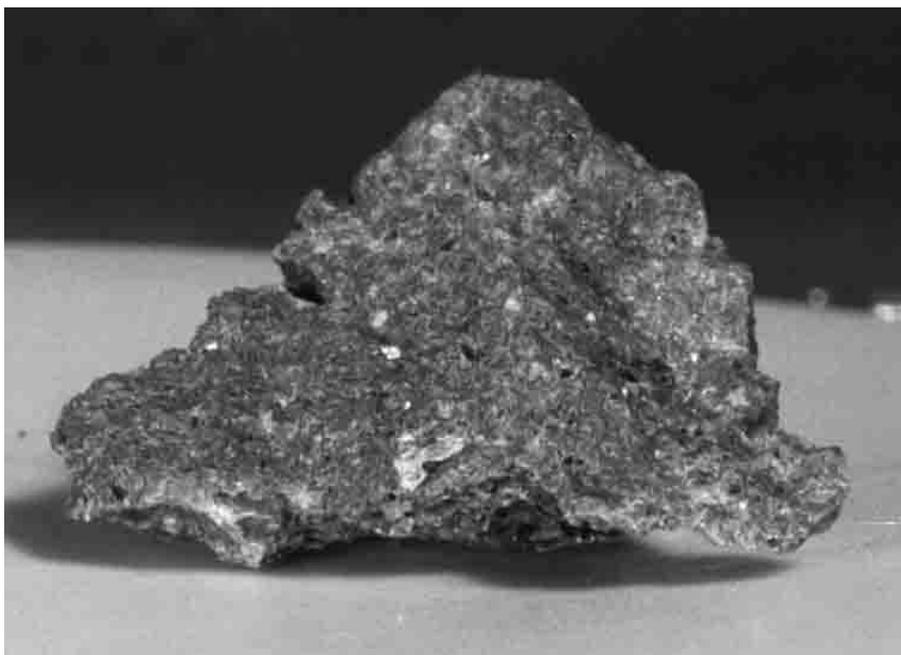
### SURFACE FEATURES

There are no pits visible. Irregular-to-spherical-shaped vugs and vesicles up to 3 mm in size are homogeneously distributed throughout the surface. They are 1 - 2 mm apart and occupy 20% of the surface area. Minerals lining these cavities are too small for positive identification but some acicular colorless crystals with pinacoid terminations are visible and are probably plagioclase. Some of the cavities may be interconnected forming drusy, irregular and branching caverns up to 3 mm in length. The rock is bounded by fracture surfaces but none penetrate the rock.

### PETROGRAPHIC DESCRIPTION

The sample is fine grained with an average grain size of less than 0.1 mm and is both texturally and mineralogically homogeneous. It appears to be a completely recrystallized fragmental rock. Grain size is too fine for positive mineralogic determination, but color suggests that it is 50% plagioclase, 48% pyroxene, and 2% opaques. The possible clasts resemble true phenocrysts, and are clear and unshattered. There are three types:

- 1) Clear equant masses 3 mm in size which have two apparent cleavages.
- 2) Yellow-green, prismatic masses without cleavages 2 x 1 mm in size.
- 3) Equant masses of plagioclase and brown pyroxene 1 mm in size.



Width of image is approximately 2.5 cm, S-71-27004