

14201

PHYSICAL CHARACTERISTICS

Mass

1.56 g

Dimensions

1.2 x 1.2 x 1.0 cm

This sample is a fine grained polymict breccia similar to 14042.

SURFACE FEATURES

There are no pits and no surface glass. Angular clast molds larger than 1 mm to 4 mm in size have a homogeneous distribution on the surface. One clast mold 4 x 2 in size is well preserved and represents an angular pre-existing slabby clast.

PETROGRAPHIC DESCRIPTION

Sample 14201 is a moderately friable polymict breccia composed of 15% fragments larger than 1 mm and 85% matrix grains smaller than 1 mm. One 2 mm-size, rounded, greenish white mineral fragment appears to be polycrystalline. Of the clasts, 2/3 are leucocratic lithic fragments and 1/3 are fragments of glassy rocks. All of the lithic clast types consist of 60% feldspar, 35% pyroxene, and 2 - 3% olivine and opaques. The glassy fragments are dark gray.

The matrix contains 40 - 50% feldspar, many dark gray glass clasts which are both angular and rounded, and angular and rounded plagioclase-pyroxene fragments. The matrix does not appear to be recrystallized.



Width of image is approximately 1.5 cm, S-71-26328