

10028

Sample 10028 is a subangular to sub-rounded, medium light grey microbreccia. The sample originally weighed 3gm and measured 2.5 X 2 X 1cm. Sample was returned in the Contingency Sample Container.

BINOCULAR DESCRIPTION BY: Twedell DATE: 1-15-76

ROCK TYPE: Microbreccia SAMPLE: 10028,0 WEIGHT: 3.43 gm

COLOR: Medium light grey DIMENSIONS: 2.3 x 1.8 x 1.0 cm

SHAPE: Subangular to subrounded

COHERENCE: Intergranular – moderately coherent
Fracturing – one penetrative fracture on T₁ face

FABRIC/TEXTURE: Anisotropic/Microbreccia

VARIABILITY: Homogeneous

SURFACE: Smooth on all surfaces.

ZAP PITS: Many on T₁. Few on N₁, S₁, W₁, E₁. None on B₁. Average size is 1mm or less. Pits are glass lined.

CAVITIES: Absent

COMPONENT	COLOR	% OF ROCK	SHAPE	SIZE (MM)	
				DOM.	RANGE
Matrix	Med.Lt.Grey	98%	-----	-----	-----
Grey & White	Grey/White	1%	Angular	3X2	One Clast
White	White	<1%	Angular to Subangular	.25	<1.5

SPECIAL FEATURES: This sample has an unusually high number of large pits on the T₁ face. The average is about 1mm. This is large in size for this small a sample. Some areas of brown glassy spatter on T₁ face. None on others. Only a few small clasts exist. Powdery white in texture.

NONE: This sample has no basalt or salt and pepper clasts, making it different from most of the Apollo 11 breccias.



10028,0 Original PET Photo S-69-46040



10028,0 S-69-46039

THIN SECTION DESCRIPTION

There was no thin section for the generic 10028 at the onset of re-examination. Due to small amount of sample in the generic (3.40gm) it was judged unwise to remove a chip for thin section.

HISTORY AND PRESENT STATUS OF SAMPLES – 6/28/76

10028 was removed from the Contingency Sample bag and split in PCTL. It was re-examined in SSPL.

PRISTINE SAMPLES:

0 3.40 gm Piece. Pitted on five surfaces.

NO RETURNED SAMPLES:

CHEMICAL ANALYSES

<u>Element</u>	<u>Number of Analyses</u>	<u>Mean</u>	<u>Units</u>	<u>Range</u>
Hg	1	0.17	PPB	0

Analysts: Reed et al., (1971).

No Age References