

- 13) Alcohol
 - 14) Dry, polished
 - 15) Keerosene
 - 16) Dry surface
 - 17) Dry, polished, annealed
 - 18) Microhardness in kg/mm^2 , loads given in g
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We see that at any rate the hardness numbers of corresponding samples are no higher for a dry sample than for one wetted with a surface-active liquid. The slight differences found ^{are} sometimes even ~~xxxx~~ in the opposite sense, i.e., in a surface-active medium the microhardness sometimes even appears a little higher than in the case of a dry sample. The differences, however, are very slight, and are mainly limited to the region of small loads (2 to 5 g); in general they lie within experimental error.

Analogous measurements were also made with metal samples in the PMT-3 tester, using rather different liquids (Table 3).

Table 3*

Influence of Various Substances on Microhardnesses Measured on the PMT-3

Key

- 1) Material
- 2) Steel
- 3) L-62 (brass)
- 4) Dural
- 5) Load in g
- 6) ~~xxxxxxx~~ Conditions of measurement
- 7) Section dry
- 8) Length of diagonal