



FIG. 2—Brass Sample Mount and TFE-Fluorocarbon Insulator.

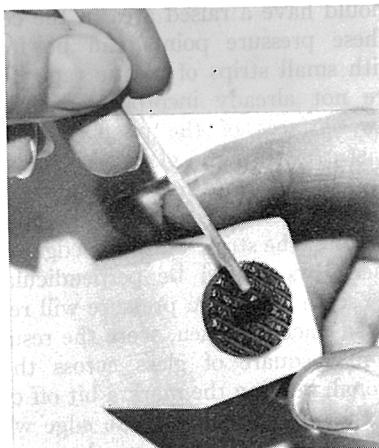


FIG. 3—Embedding Rubber Block in Mucilage.

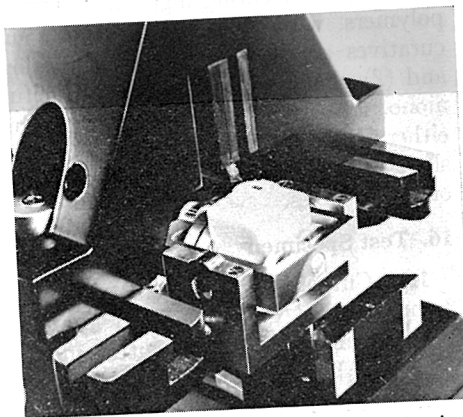


FIG. 4—Frozen Sample Mounted for Sectioning on a Sledge Microtome.

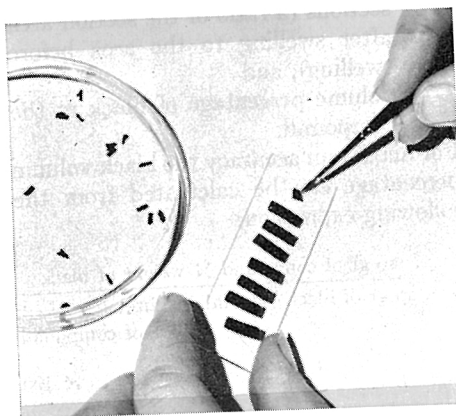


FIG. 5—Brushing Out Sections Swelled in Naphtha.

¹ Under the standardization procedure of the Society, these methods are under the jurisdiction of the ASTM Committee D-11 on Rubber and Rubber-Like Materials, and are the direct responsibility of Subcommittee D-11.20 on Compounding Materials and Procedures. A list of committee members may be found in the ASTM Year Book.

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² A special mold containing several circular cavities which are approximately 10 mm in diameter and 3 mm deep.

³ Most agglomerates are not composed entirely of carbon black. They may contain substantial amounts of polymer or extender oil. In extreme cases, where U is very large, negative dispersion ratings are therefore possible. Such stocks are extremely poor and may simply be classified at a "0" or "no dispersion" rating. It must also be assumed that the absolute level of all the per cent dispersion values is probably higher than reported. There is no satisfactory method presently available for determining the precise amount of carbon black in each agglomerate.

⁴ Available at a nominal charge from ASTM Headquarters, 1916 Race St., Philadelphia, Pa. 19103.

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