

Avoid overheating the plastic substrate. Evaporate the carbon in short bursts rather than in one continuous application. Overheated Formvar may soften and consequently sag between the grid bars.

To gauge the thickness of the carbon coating, put a droplet of diffusion pump oil on a small piece of white glazed porcelain and place it in the evaporator near the grids to be coated. The white "shadow" of the oil will contrast with the surrounding area and allow the amount of carbon deposited to be gauged.