

Planar to Equiaxed Transition in the Presence of an External Wetting Surface
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Parts (a) and (b) in Figure 2 have been interchanged.

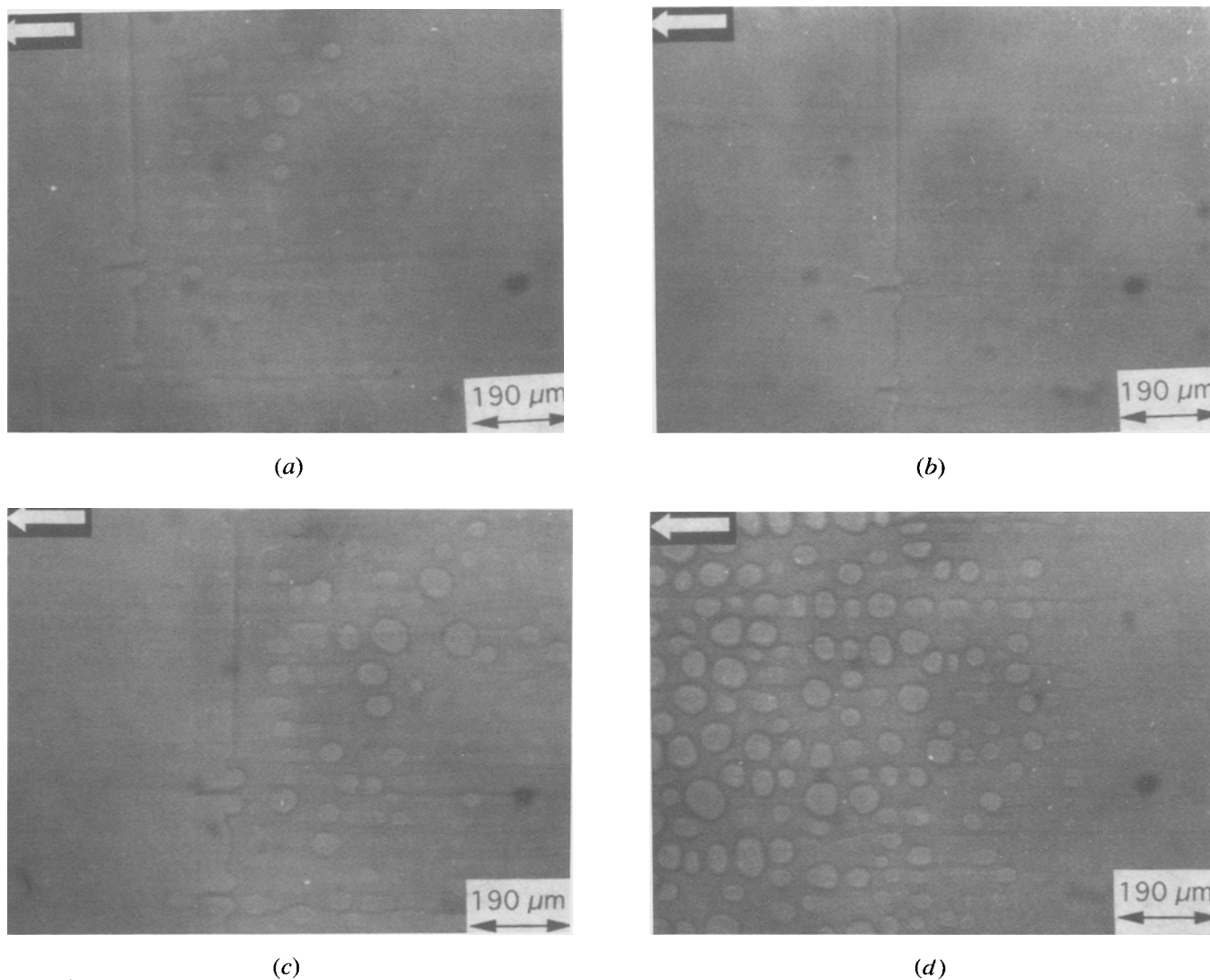


Fig. 2—Equiaxed morphological instability during directionally imposed heat removal in the presence of TEFLON. $V = 5 \mu\text{m/s}$ and $G = 4 \text{ K/mm}$, SCN-1 wt pct acetone. The solidification starts at $t = 0$: (a) $t = \text{min}$, (b) $t = 5 \text{ min}$, (c) $t = 6 \text{ min}$, and (d) $t = 16 \text{ min}$. Note in Figures (a) to (c) that a planar interface is seen on the left-hand side, which is breaking up. In (d), only the equiaxed grains which form in front of the interface are shown. Note that the heat flow is from the right to the left of the figure, as indicated by the white arrow.