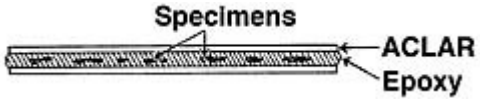
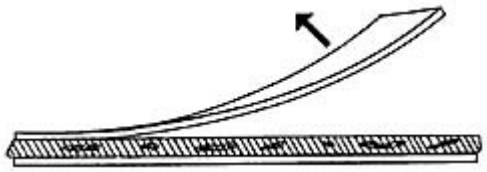
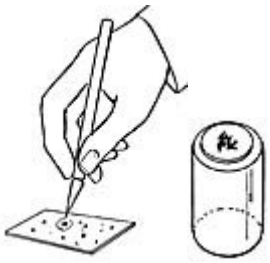


Epoxy embedments sandwiched between ACLAR® sheets



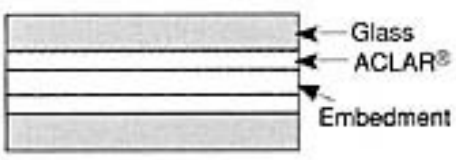
ACLAR® pulled away from the flat specimen embedment.



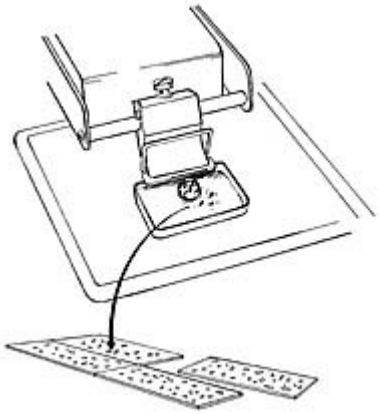
Cut out the area of interest and glue it on a 00 cylinder for sectioning.

Disc Punches are available in four sizes:
5/16" (7.9mm)
3/8" (9.5mm)
7/16 (11.1mm)
1/2" (12.7mm)

For comparative TEM and SEM procedures, cut an ACLAR® circle in half and compare the two after fixation (Kingsley3); use a blunt needle to mark.



Press between glass plates



Fresh material is cut on a vibratory slicer, treated with HRP and placed on ACLAR® cut into a slide shape - observe under LM - if OK, process for TEM on the slide.

ACLAR® Embedding Film
Physical & Chemical Resistance Data

Physical Data

Density	2.12
Thickness	7.8 mil (0.198mm)
Clarity	Clear
Water Absorption	nil
Water Vapor Transmission Rate @ 100°F (37.7°C) / 100% RH	0.003gm / 100in² / day (0.047gm / m² / day)
Dimensional Stability, 10 min @ 300°F (149°C)	≤2%
Dimensional Change, 10 min. @ 300°F (149°C)	< 2%
Thermal Conductivity	4.7 x 10^{-4} cal-cm/cm²sec °C
Crystalline Melting Point	395.6 - 399.2°F (202 - 204°C)
Flammability	Nonflammable

Chemical Resistance Data

Acetone	No effect
100% Ethyl alcohol	No effect
Liquid Nitrogen	Remains flexible
Osmium Tetroxide	No effect
Propylene Oxide	No effect
Butyl Alcohol	None
Carbon Tetrachloride	Slightly flexible
1,2-Dichloroethane	None
Ethyl Acetate	Very flexible
Ethyl Ether	Very flexible
Ethylene Oxide	Very flexible
Formic Acid	None
Gasoline	None
All Acids (HCl, H2SO4..)	None
Methanol	None
Toluene	Slightly flexible
Plastisolve	None