



SUBJECT TEMPER TESTING BENT FACE PLATES
Process Specification

SUPERSEDED DATE

Degree of temper, or annealing, shall be determined by the following procedure:

1. Cut a strip of glass having a reasonably constant width, but not exceeding 1", from the face plate.
2. Examine for optical retardation in a polariscope, using a suitable immersion cell, in the direction parallel to the width of the strip. Measure the maximum apparent tension strain, which will occur at a point about half way through the thickness of the face plate. Express this value of retardation as retardation per unit width (millimicrons per inch). The following are acceptable limits for the maximum inner tension obtained in this way:
 - a. Tempered Face Plates (Initially FP124-1/2B2).
Maximum inner tension shall be greater than $400\text{m}\mu/\text{in}$.
 - b. Annealed Face Plates (Initially FP124-1/2B3).
Maximum inner tension shall be less than $400\text{m}\mu/\text{in}$.

ENGINEERING SECTION
STANDARDIZING

16-503-30-60 PCL12760-121/bw