

Bid List 0680

## **SPECIFICATION**

PROPERTY NO. 217271

PHOTOPOLYMER PLATES, WATER DEVELOPED

Size: 30" x 40" x .037"  $\pm$  .001" (762 x 1016 mm x .940  $\pm$  .025 mm)

Relief Thickness: .026" (.66mm)

### GENERAL REQUIREMENTS

The photopolymer must be an ultraviolet sensitive material that is compatible for use with existing GPO equipment. The existing GPO equipment consists of a spray washout unit for developing exposed plates and a drying unit for hardening the plates. Both were purchased from BASF Wyandotte Corporation of Wyandotte, Michigan.

The total processing time from exposure of the plate to the end of drying should require nor more than thirty minutes. The solvent used in the washout unit is to be water and the material being dissolved in the water from the plate should be biodegradable.

The plates are to be backed with steel. They must be suitable for application to a magnetic saddle or clamps. In addition, the plates must be suitable for use in Dry Offset as well as Letterpress printing.

These plates will be stored in a non-conditioned area where the temperatures range from 40°F to 90°F (4.44 °C to 32.2°C). Under these conditions a six-month shelf life is required after delivery time.

### PERFORMANCE REQUIREMENT

The plate must be capable of reproducing 150 line screens and reproduce a 2-3% highlight dot in any type of screen. It must be capable of holding an isolated dot down to .006" (.152 mm) diameter and fine lines to a minimum thickness of .0015" (.038mm). The plates should be capable of giving a minimum of 500,000 impressions.

### SAMPLE REQUIREMENT

Any supplier wanting to be placed on the Qualified Bidders' List must send in plates for a performance test. Initially six sample plates with steel backing having a size of 30" x 40" x .037" x .001" are needed. To complete the performance test, if more plates are required they will be purchased by GPO.

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