

Constant Thickness Film Maker Systems



Features

- Reproducible film thicknesses.
- Quantative/qualitative applications.
- Quick and easy to use.
- No chemicals necessary.

The Constant Thickness Film Maker Systems permit precision spectroscopic analysis of polymers via the formation of a thin film of reproducible thickness.

Designed to reduce sample preparation time and provide high sample throughput for routine analytical work as well as a convenient method for preparing small polymer samples for transmission or reflectance spectroscopy.

The High Temperature Film Maker is designed with integral heating and cooling systems and operates to a maximum temperature of 400°C. The standard unit which comes with independant cooling system is used with seperate, optional, heated platens and has a maximum operating temperature of 300°C.

Both systems are designed for use in all Specac hydraulic presses but can be used with most laboratory presses.

Film thickness can be changed by selection of different hardened steel spacers (15, 25, 50, 100, 250 and 500 microns) which are fitted between two optically polished platens - samples are pressed onto a non-stick aluminum foil backing material, while excess sample runs into a trough so that thickness is not affected.

The sample is then cooled before removal and analysis. Total preparation time is arund 10 to 15 minutes, depending on sample.

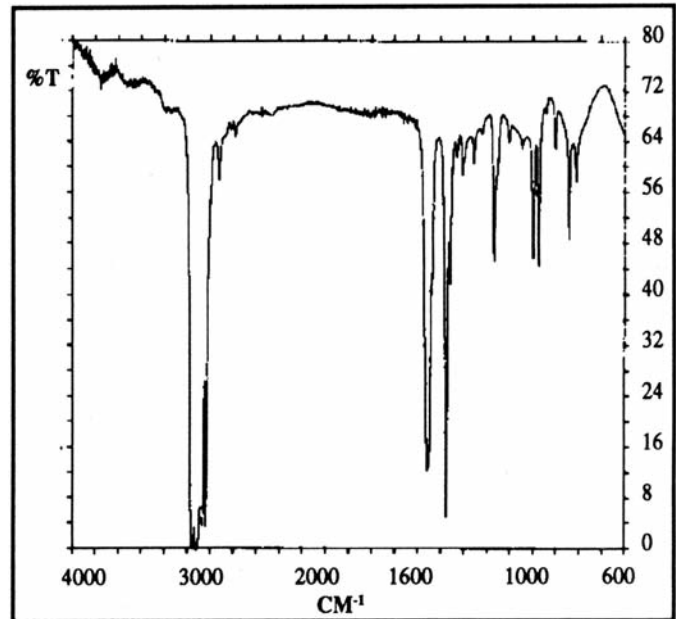


Ordering Information

Film Maker Systems

15620 Standard Constant Thickness Film Maker
Includes: Sample pressing platens with 15, 25, 50, 100, 250 and 500 micron spacer rings, sample cooling system, aluminum foil backing discs (200) and Specacard film holders (20).

15800 High Temperature Constant Thickness Film Maker
Includes: Fully integrated film maker with 15, 25, 50, 100, 250 and 500 micron spacer rings, heating and cooling system with digital temperature controller, aluminum foil backing discs (200) and Specacard film holders (20).



15 Micron Polypropylene Film (4CM-1, 4 Scans)

Film Maker Kits

15630 Constant Thickness Film Maker Kit I
Includes: Standard Constant Thickness Film Maker (15620) and set of Heated Platens with digital temperature controller (15515).

15632 Constant Thickness Film Maker Kit II
Includes: Standard Constant Thickness Film Maker (15620), set of Heated Platens with digital temperature controller (15515) and 15 ton Manual Hydraulic Press (15011).

15810 High Temperature Constant Thickness Film Maker Kit
Includes: High Temperature Film Maker System (15800) and 15 ton Manual Hydraulic Press (15011).

Please specify voltage and country.

Spares and Consumables

- 15627** Aluminum foils backing discs (200)
- 3800** Specacard sample holders, 10mm aperture (100)
- 15621** Replacement cooling block chamber for the Standard Constant Thickness Film Maker
- 15622** Replacement polished platen assemblies for the Standard Constant Thickness Film Maker
- 15629** Replacement spacer rings for the Standard Constant Thickness Film Maker (set of 6, A-F)
- 15805** Replacement spacer rings for the High Temperature Constant Thickness Film Maker (set of 6, A-F)

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