

Constant Thickness Film Maker System



The Constant Thickness Film Maker System permits precision spectroscopic analysis of polymers by the formation of a thin film of reproducible thickness.

Features

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

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 separate, 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 around 10 to 15 minutes, depending on sample.



- Illustrations, descriptions and specifications in this data sheet were correct at the time of going to press. However, Specac's policy is one of continuous product development and we reserve the right to change descriptions and specifications at any time. For the latest details please contact your local Specac office or representative.

Constant Thickness Film Maker System

Ordering information

Film Maker Systems

GS15640 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).

GS15800 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).

Spares and Consumables

GS15627 Aluminum foils backing discs (200)

GS3800 Specacard sample holders, 10mm aperture (100)

GS15621 Replacement cooling block chamber for the Standard Constant Thickness Film Maker

GS15622 Replacement polished platen assemblies for the Standard Constant Thickness Film Maker

GS15629 Replacement spacer rings for the Standard Constant Thickness Film Maker (set of 6, A-F)

GS15805 Replacement spacer rings for the High Temperature Constant Thickness Film Maker (set of 6, A-F)

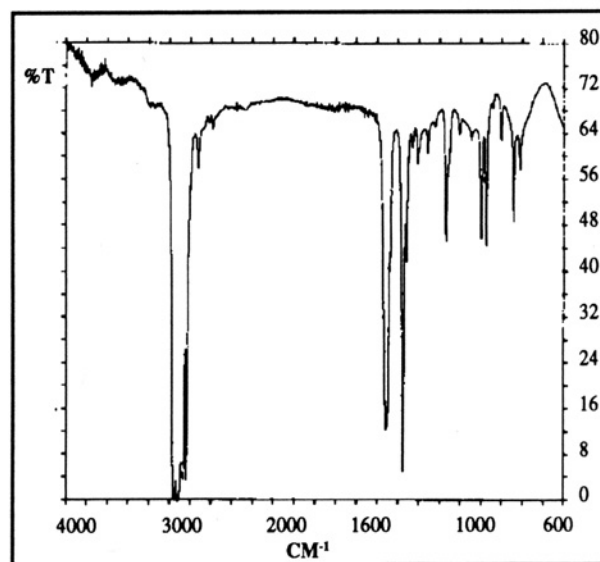
Film Maker Kits

GS15631 Constant Thickness Film Maker Kit I
Includes: Standard Constant Thickness Film Maker (15640) and set of Heated Platens with digital temperature controller (15515).

GS15633 Constant Thickness Film Maker Kit II
Includes: Standard Constant Thickness Film Maker (15640), set of Heated Platens with digital temperature controller (15515) and 15 ton Manual Hydraulic Press (15011).

GS15810 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.



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

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