



Thermocompression Service

MOLDING OF THERMOPLASTIC AND COMPOSITE MATERIALS BY HOT PRESSING

KEY WORDS

THERMOCOMPRESSION,
THERMOPLASTICS,
PROCESSING

DESCRIPTION

The service offers processing of thermoplastic polymers, recycled materials, and functional compounds using laboratory-scale hot pressing with controlled temperature, pressure, and cycle time. We utilize hydraulic presses with temperature, time, and pressure controls, heated plates, and controlled cooling systems, suitable for producing homogeneous sheets, films, and specimens. The service includes material preparation, adjustment of pressing parameters, and delivery of results in digital format, along with labeled samples ready for thermal, mechanical, or barrier characterization testing.

AVAILABLE TECHNIQUES AND/OR EQUIPMENT

- Thermocompression hydraulic presses with temperature, time and pressure control, heated plates and controlled cooling systems

APPLICATIONS

- Production of thermoplastic sheets, films or specimens
- Optimization of pressing conditions and validation of processability
- Sample preparation for thermal, mechanical or barrier tests
- Processing of recycled or modified formulations

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