

MICROWAVE PROCESS DEVELOPMENT

Microwave-assisted PLA synthesis

Develop material-specific polymerisation recipes with our team.

THE OPPORTUNITY

For suitable, validated recipes, microwave technology can reduce processing to minutes, delivering rapid, efficient results while meeting agreed quality criteria.

PERCY ROC EXPERIMENT

PLA synthesis was demonstrated using Percy Roc microwave technology. Confirm reaction time, conversion, molecular weight and material quality for your recipe.

APPLICATION EVIDENCE

Lactide feedstock



PLA sample



End-use illustration

PLA: conversion, molecular weight and agreed material properties.

90-DAY MICROWAVE PROCESS-DEVELOPMENT PROGRAMME

SEK 120,000 excluding VAT

Setup delivered to you: SEK 60,000. 30 engineering hours at SEK 1,500/hour, including six experiments: SEK 45,000. Final report and review: SEK 15,000.

Additional engineering packages available. Specialist external analyses quoted separately.

Want to explore similar results?

Operate locally with Percy Roc's remote guidance. Percy Roc retains ownership. Start your mandatory 90-day programme.

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