



SERVICES

COMPOUNDING

Extrusion with COMAC corotating twin-screw extruder EBC25 L/D 44, equipped with 4 feeders (two side feeders) and peristaltic pump for liquid additives. Conventional strand pelletizing.
Costs includes initial set-up and final clean-up with our material.

Service until 14.00	€ 350,00
Service until 17.00	€ 500,00
Pre and post extrusion material drying service (Piovan)	€ 50,00

MECHANICAL TESTS

Preparation of injection moulding specimens

The moulding process includes pre-tests to set-up the machine. Specimens obtained during these tests are discarded.

150 €/sample

Charpy test (non-instrumented)

Test includes specimens notching and data analysis.
Test on 5 specimens for each sample.

150 €/sample

Tensile test, Compression test, Bending test

For mechanical tests on films, the analysis includes the preparation of dumbbell specimens.
The test includes data analysis.
Test on 5 specimens for each sample.

200-300 €/sample

RHEOLOGICAL TESTS

MFR + MVR(t)

Analysis includes MFR and MVR medium values, standard deviation and MVR(t) plot.

100 €/sample



THERMO-MECHANICAL ANALYSIS

HDT/VICAT analysis

Data and plot (temperature/displacement).
Test on 4 specimens for each sample.

100 €/ sample

DMTA analysis

a) Frequency sweep (0,1 – 100 Hz)
Data and plot. Test on 3 specimens for each sample.

100-200 €/ sample

b) Temperature sweep (-100 ÷ 300 °C, 1 Hz)
Data and plot. Test on 1 specimen for each sample.

150 €/ sample

THERMAL ANALYSIS

DSC analysis (range -50 ÷ 300 °C)

a) without data analysis and interpretation.

90-110 €/sample

b) with data analysis and interpretation.
The price includes no additional analysis for a further investigation.

140-160 €/sample

SPECTROPHOTOMETRIC ANALYSIS

FT-IR Analysis

a) without data analysis and interpretation.

40 €/sample

b) with data analysis and interpretation.
The price includes no additional analysis for a further investigation.

100 €/sample

VAT not included.

Delivery times will be agreed according to the service required.

Via San Giovanni Bosco, 23 - 56127 Pisa (IT)

Operational headquarter: Dipartimento di Ingegneria Civile e Industriale (UNIFI), Via Diotallevi, 2 – 56122 Pisa (IT)

VAT no.: 02266480504 **R.E.A no.:** PI – 194183

EMAIL: info@planetbioplastics.com **CEM:** planetbioplastics@pec.it

Website: www.planetbioplastics.com