

Polymer Materials Testing Laboratory



KEY SEGMENTATION OF THE GROUP



ENVIRONMENTAL SERVICES

WASTE COLLECTION
 TRADE OF SORTED RECYCLABLES
 PRODUCERS RESPONSIBILITY ORGANISATION
 OUTDOOR CLEANING
 LIQUID WASTE & BIO TOILETS
 STREET CLEANING AND STREET MAINTENANCE SERVICES
 POLYETHYLENE / POLYPROPYLENE (PE / PP) RECYCLING



PLASTICS RECYCLING

POLYETHYLENE TEREPHTHALATE (PET) RECYCLING
 FIBRE PRODUCTION



Nordic Plast

part of Eco Baltia group

Leading polymer processing company in the Baltics

Recycles used film, hard plastic and polypropylene materials.

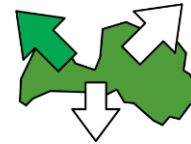


Founded in 2001



~ 110 employees

Exports 98%
of the produced volume



Main export markets



Factory location and machinery

The address:

Rūpnīcu Street 4, Olaine,
Latvia, LV - 2114



~ 9000m2 warehouse area



2 extruder lines – Erema and Starlinger



Laboratory





LDPE WHITE



LDPE CLEAR



**LDPE
BLACK/GRAY**

Nordic Plast product portfolio

PP MOULDING



PP B



HDPE EXTRUSION



HDPE MOULDING





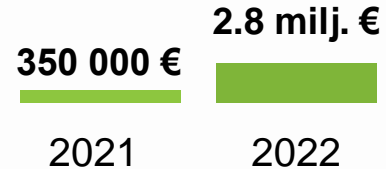
Growth and development



Adaptation to external market conditions



Investments in technology—
increasing capacity



Focus on **quality and additional capacities**

Developed new product – Big Bag to Big Bag pellets

Polymer testing laboratory



LIFE Waste To Resources IP, LIFE20 IPE/LV/000014



ECONOVA LATVIA

FTIR spectroscopy device

Determines molecular structure and reads polymer type from database.



DSC

Differential scanning calorimetry test to determine the temperature at which the material melts. Specialist in field can deduce the main polymer and impurities by reading the DSC diagrams.



Muffle furnace

Ash content (500-1000 °C),
%



MFI

Device that measures the melting index of a polymer.



Gell counter

It identifies and classifies defects such as:

- Black Specks
- Gels
- Holes
- Extrusion lines



Universal loading facility

- Brake point
- Tensile value



Durometer

Hardness tester on Shore D scale.



Thank You

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