



AGRO-MATERIALS

Agro-based polymer

KEY WORDS

Binder / Glue

Powder

Thermosetting
polymer

Agro-based thermosetting polymer with plant or animal derived proteins.

Designed in an eco-efficient fast process, at low pressure and temperature.

CONTACT

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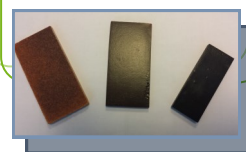
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Agro-based polymer

Polymer with
plant or
mineral filler

Binder for
composite
materials

Agro-based
plastic



➔ BENEFITS

- Agro-based polymer as a substitute for petroleum-derived binder or plastic materials.
- HL3 fire-resistance with non-toxic smoke emission.
- Weather-resistant with a wide temperature range (from -40°C to 120°C).
- Chemically resistant.
- Low density (1,18) and easily shapeable.

➔ APPLICATIONS

As a binder or a polymer material, it has multiple applications in building, transportation, packaging, electrical and electronic equipment fields (for instance: breaker box, fixed or mobile phone covers...).

➔ DEVELOPEMENT STAGE

Technology available at laboratory scale.
Pre-industrial tests can be considered.

➔ INTELLECTUAL PROPERTY

Patent (WO 2012007656) filed in July 2011.
« Procédé pour l'élaboration d'un polymère thermodurcissable et un tel polymère ».