BIO POLYMERS

With the increasing awareness about **sustainability** of plastic packaging and other big sources of consumer waste, many plastic manufactures are now developing or adding bio-based polymers to their product portfolio. The idea behind **bio-based polymer** is to replace the fossil oil carbons by carbons obtained from **renewable** and **eco-friendly** sources (sugars in plants), in other words, to create polymers from renewable natural resources and allow packaging to decompose quickly and **get back to nature**.

Due to its versatility, **Polylactide acid (PLA)** is the bio-polymer used in the large range of applications. It can be processed by extrusion, injection molding, film casting and even fiber spinning. PLA can be **biodegraded completely** and also reduce waste and pollution. In the growing demand of products, made in PLA and other bio-polymers, from other side, the manufacturers have an increasing need to recycle their **industrial discards**.

GIANECO S.R.L.

is a recycling and trading company based in Turin (Piedmont, Italy) **specialized in bio-polymers**, like PLA, PBAT, PHA, PHB and others.

Our materials come **directly** from packaging producers, insuring optimal conditions for **dry and protected storage** of discards and their **recycling in proper way**.

A **high quality** and at the same time **cost-saving**, comparing to prime grades, recycled PLA is an interesting **alternative** for a number of applications.

Moreover, GIANECO S.R.L. has available **off-grade PLA materials** or **surplus** bio-polymers which in many applications are used successfully in place of prime grades.

APPLICATIONS

EXTRUSION GRADES

INJECTION GRADES

THERMOFORMING

3D PRINTING

FIBERS