



POLYESTER YARN
FROM THE
PLASTIC BOTTLE

THE FIRST IN TURKEY



As Korteks, the largest integrated polyester yarn production center in Europe, we dream for a sustainable world and make all endeavors to deliver better tomorrows that rely on innovative and technological advancements in line with Zorlu Holding's vision of "Smart Life 2030". And, accordingly, we take our pride in achieving another breakthrough moment in Turkey with the Polymer Recycling Plant which would allow us to produce **polyester yarn from plastic bottles**.

At the Polymer Recycling Plant, we are producing RPET Chips, the raw material of the polyester yarn, extracted from the waste plastic

bottles, a non-biodegradable product capable of inducing negative environmental impact by uncontrollably remaining in the nature for prolonged periods, and other yarns discarded as production wastes to obtain a recyclable product, the filament polyester yarn.

Thanks to this innovative recycling process, we not only save energy as the process requires less energy when compared to the traditional production practices, but also endorse reduction of greenhouse gas emissions. Therefore, we support recycling processes through circular economy while also contributing to build a sustainable future in the long run.



TRACEABILITY

We conduct dedicated analytic analyses in order to distinguish our recyclable yarn production from the production practices of other companies and to ensure traceability even after achieving the finished product.

PRODUCTION PROCESSES



WE REMOVE 110.000 PLASTIC BOTTLES* FROM THE NATURE BY PRODUCING 1 TON OF YARN.

*0,5 liters



ADVANTAGES

- Reducing the level of environmental pollution by using non-biodegradable consumer waste plastic bottles as raw material,
- Contribution to the economy through reuse of the plastic bottle wastes and yarns discarded as production wastes,
- Conservation of the natural resources thanks to reuse of yarn production wastes,
- Saving energy thanks to the recycling process that requires less energy than the traditional production practices,
- Achieving reduction at the greenhouse gas emissions as a natural consequence of the energy savings,
- Contributing to reduce pollution levels at the water and air sources by minimizing greenhouse gas emissions

AREAS OF USAGE

The product can be used in all areas where virgin polyester is used, such as clothing, technical textiles, home textiles, socks, medical textiles, automotive, etc.

CERTIFICATIONS

