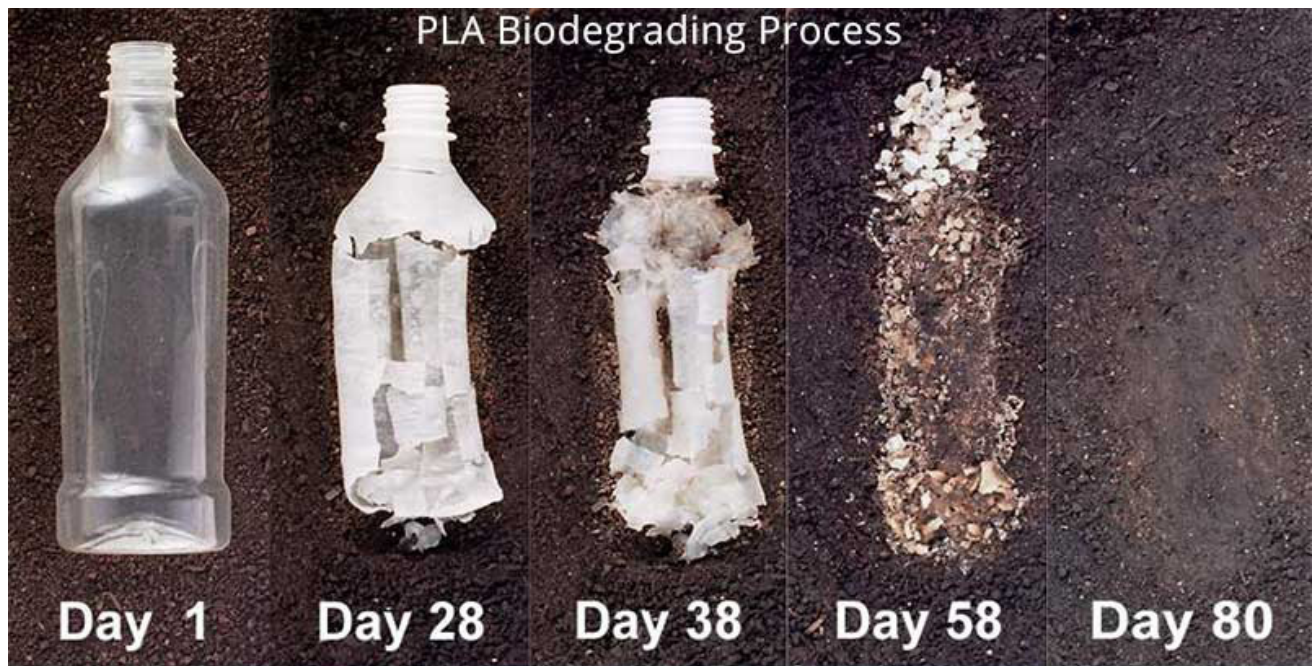


Ilia Biodegradable Bags





Biodegradable plastic is plastic that decomposes naturally in the environment.

This is achieved when microorganisms in the environment metabolize and break down the structure of biodegradable plastic. The end result is one that is less harmful to the environment than traditional plastics.

Biodegradable plastics can be composed of bioplastics, which are plastics made from renewable raw materials. There are normally two forms of biodegradable plastic, injection molded and solid. The solid forms normally are used for items such as food containers, leaf collection bags, and water bottles.





Making Biodegradable Plastic

Biodegradable plastics are made from all-natural plant materials. These can include corn oil, orange peels, starch, and plants. Traditional plastic is made with chemical fillers that can be harmful to the environment when released when the plastic is melted down. With biodegradable plastic, you get a substance made from natural sources that do not contain these chemical fillers and do not pose the same risk to the environment.

The process of making biodegradable plastics begins with the melting down of all the materials. That mixture is then poured into molds of various shapes such as plastic water bottles and utensils.





Regular Plastic vs. Biodegradable Plastic

After formation, regular plastics hold carbon. When they are disposed of and begin to decompose or when they are melted, that carbon is then released into the atmosphere. Biodegradable plastics do not release carbon, because no carbon is involved in the manufacturing process. Methane and other forms of pollutants could also be released from traditional plastic when they are recycled and burned. This is not the case with biodegradable plastics, which do not contain those polluting materials.

One of the many positive aspects of biodegradable plastics is that they are able to be broken down by naturally occurring bacteria, which again will be beneficial to the environment.

Biodegradable plastics hold many advantages over standard plastics, with a lesser impact on the environment being one of its greatest advantages.



Our **eco** friendly Bags

Woven bag and sacks

High-quality polypropylene fabrics are produced and delivered in standard and laminated rolls. Nowadays, polypropylene fabrics are used in many packaging industries for solid, reliable, and low-cost packaging. Considering the reasonable price of this type of fabric and its high strength, in addition to being used in the production of various types of polypropylene and jumbo bags, these fabrics are widely used as a cover and envelope in the packaging of many other products. Polypropylene fabrics can be

supplied in rolls as well as cuts in dimensions ordered by customers. The production of this bag is done according to the customer's request in different sizes and quantities, in accordance with industry standards which is used for flour, grains, fertilizers, etc applications.



Biodegradable



No-Plastic



Eco-Friendly

Big Bag

These bags are produced according to the needs of large industries and have a very compact texture and density compared to other products, which makes it possible to move heavy loads.



Biodegradable



No-Plastic



Eco-Friendly

F.F.S bags (Form, Fill and Seal)

These bags are widely used for packing all kinds of granules, including petrochemical products such as polypropylene and polyethylene.



Biodegradable



No-Plastic



Eco-Friendly

Ad*Star Bags

Knitted and laminated polypropylene bags are produced in accordance with industry standards and at the request of the customer. The features and advantages of this bag including:

- Eco friendly
- Easy to carry
- Good print quality
- High resistance
- Moisture and waterproof



Biodegradable



No-Plastic



Eco-Friendly



CERTIFICATIONS

 **Certificate of Compliance** 

NanoScale Certificate
No: 312-18331

Hereby we certify that our applicant
Yaran Sakhtar Azar

product:
Oxo-Biodegradable Polypropylene Strip Containing Nanoparticles for Weaving Plastic Sacks

is approved as a nanotechnology product; according to the following standards:
ISO/TS 18110 & ISIRI 12098
and evaluation of technical files and test reports.

This Certificate is only valid for the unique mentioned product, and does not encompass other products of company

Issue date Nov 10, 2018	Expiration date Nov 9, 2019
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The Period of certificate validity is extendable after annual inspection.

FILE CODE IN PRODUCT ASSESSMENT UNIT: 972060

Dr. Hamed Afshari
Chief Executive Officer
Tech-Market Services Corridor

Dr. Hamed Afshari
Director of industry and market workinggroup
Iran Nanotechnology initiative council

Iran Nanotechnology initiative council
Tech-Market Services Corridor
Nanoproduct assessment unit
No. 65, Sijadat Alley, North Zanjani Street, Sattarkhan Avenue, Tehran
Telfax: 02163104
www.nanoproduct.ir



 **Certificate of Compliance** 

NanoScale Certificate
No: 312-18560

Hereby we certify that our applicant
Polymer Kar Iranian

product:
Polypropylene Woven Sacks Containing Nanoparticles for Cement, Gypsum and Flour

is approved as a nanotechnology product; according to the following standards:
ISO/TS 18110 & ISIRI 12098
and evaluation of technical files and test reports.

This Certificate is only valid for the unique mentioned product, and does not encompass other products of company

Issue date Jan 14, 2019	Expiration date Jan 13, 2020
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The Period of certificate validity is extendable after annual inspection.

FILE CODE IN PRODUCT ASSESSMENT UNIT: 972506

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Chief Executive Officer
Tech-Market Services Corridor

Dr. Hamed Afshari
Director of industry and market workinggroup
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 **Certificate of Compliance** 

NanoScale Certificate
No: 312-18331

Hereby we certify that our applicant
Yaran Sakhtar Azar

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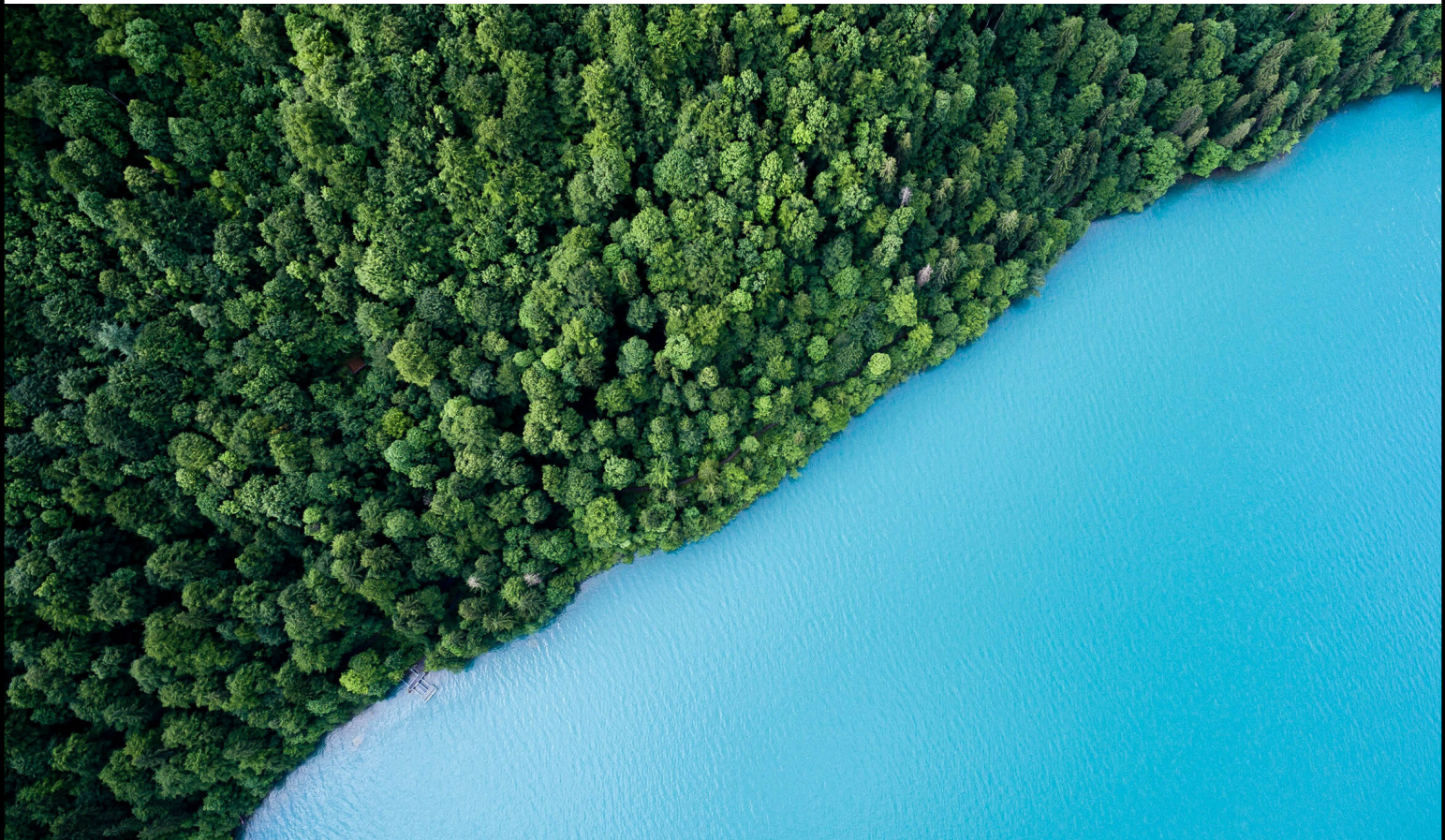
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