eppendorf

Designed for sustainability

Sustainability Facts and Figures

New epT.I.P.S.® Racks
Less plastic - less waste
Compared to previous models of epT.I.P.S. disposable Racks, polypropylene granulate usage could be reduced 19–35 %, depending on Rack size.

Rack Size	Raw Material Saving
1	-20 %
2	-35 %
3	-35 %
4	-19 %

Check your material savings with the calculator in our App.
www.eppendorf.com/app

Download on the App Store

GET IT ON Google Play

www.eppendorf.com/tips

Material Property

The components of epT.I.P.S. disposable Racks – lid, bottom, tray – are made of polypropylene (PP). PP belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are slightly harder than polyethylene and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance. Our Racks are labeled with the respective code for PP according to standards 97/129/EG and ASTM D7611.*

05 PP

Polypropylene – Number 5 plastics can be recycled through curbside programs **

The sterility packaging of Racks is comprised of OPP/PE 80 µm material (OPP=Oriented Polypropylene). This kind of polypropylene is stretched lengthwise (the so-called OPP) and thus becomes far more stable. This fulfills all requirements of standards DIN EN ISO 11607 and DIN EN 868-2-10 (Packaging for terminally sterilized medical devices)

Eppendorf decided not to use color print on the Rack. The Eppendorf brand name is applied by laser on the front. Solvent-based printing processes with additional pigments may reduce the recycling quality of the plastic material. **

Box and shipping materials are made of at least 90 % recycled cardboard and can be fully recycled to new cardboard products.

Labeling of shipment material

20 PAP

renewable resources CORRUGATED PACKAGING completely recyclable

Labeling of box

DIE FALTSCHACHTEL WIEDERVERWERTBAR

Flatten me and recycle me. Thanks.

* The ASTM International Resin Identification Coding System, often abbreviated RIC, is a set of symbols appearing on plastic products that identify the plastic resin out of which the product is made. Serving the needs of manufacturers, recyclers, and other stakeholders, ASTM D7611 offers a valuable foundational tool for managing the end-of-life of plastic materials.
** Before the recycling of laboratory plastic waste: It is the responsibility of all research workers to ensure the safe and proper disposal of all waste produced in the course of work. This means laboratories must comply with appropriate disposal procedures described in the legislative framework for waste management in your country. Strictly adhere to the protocols of your internal laboratory waste management, especially when working with hazardous or other contaminating substances.

Own Thermal Power Station

Instead of the traditional combination of local heating and a central power plant, the Eppendorf Polymere GmbH decided to construct a thermal power station. This offers the benefit of combined heat and power generation, resulting in a significant growth of energy efficiency and a substantial reduction of the carbon footprint of production. With the special energy recovery technology, a total of 90 % efficiency rate is achieved – about 40 % better than a large, modern coal-fired power plant, which loses up to 50 % of its produced energy in the form of waste heat.

High Share of Wind Power

Eppendorf Polymere GmbH, our center for production and development of laboratory consumables made of plastic, is situated in Schleswig-Holstein in the north of Germany. This state is surrounded by the North Sea and the Baltic Sea and its energy is generated by offshore and onshore wind turbines. For the production of our consumables, this means that they are manufactured with 100% renewable energy. Eppendorf Polymere GmbH is certified ISO 14001 for an effective environmental management system (EMS).

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Watch video: **www.eppendorf.com/3D-Racks**

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