

RUBA Thermoplast AG

your top cap supplier &
professional toolmaker

RecyClass

RECYCLING PROCESS
CERTIFICATE



**waste isn't waste until
we waste it**



**Post-Consumer Recycled Plastic (PCR) &
Post-Industrial Recycled Plastic (PIR)**

Recycling of plastic waste and the use of recycled plastic in new products gets more and more meaning. The demand for **PCR** (Post-Consumer Recycled) and **PIR** (Post-Industrial Recycled) is a omnipresent topic.

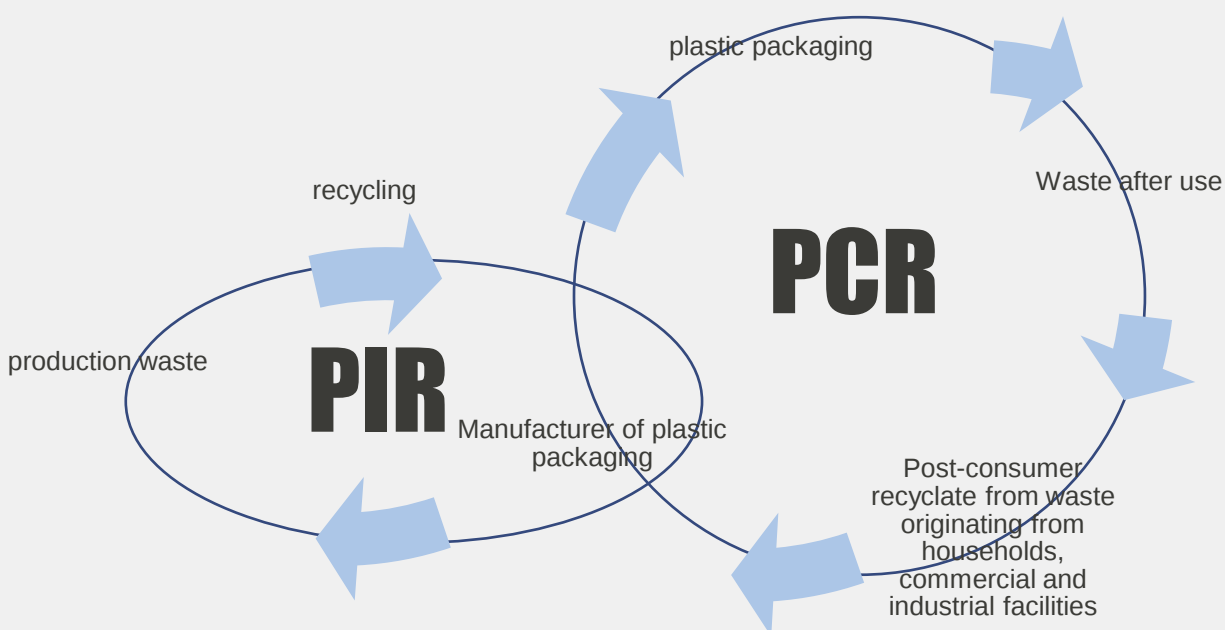
What is the difference between PCR and PIR?



PCR – Waste generated by consumer (individual persons), households and offices. Different plastics can make the waste useless if a clean separation is not possible.



PIR - industrial plastic waste generated during the manufacturing or the production. PIR waste is easier to separate than PCR.



PCR (Post-Consumer Recycled Plastic)

We also participate in the recycling process and have tested several dozens of PCR's in the past and some of them evaluated positively. However, in order to be able to offer the granulate resp. our caps in an economically interesting way, we chose two resins, which we use as "standard PCR material".



Saxaplast PET-07 C BTI nat

Proportion of PCR: 100%

Food contact approval!

The resin PET-07 C BTI from Saxaplast is ideal for our screw caps Ø25mm and for the complete Universal line, which we offer in three different diameters: 25mm, 30mm and 35mm.

The raw material has transparent light-blue color.

PP - PCR

Proportion of PCR: >95%

Colors of the materials (directly colored):
black, white

It is suitable for the majority of our caps.

However, based on our experience, we recommend ordering either the caps from the Universal or Standard line.



PP - PCR

Proportion of PCR: >95%

Color of the material: natural

It is suitable for the majority of our caps.

However, based on our experience, we recommend ordering either the caps from the Universal or Standard line.



HDPE - PCR

Proportion of PCR: >95%

Color of the material: natural

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As the original color of the granulate is natural, it can also be colored with a masterbatch if required.



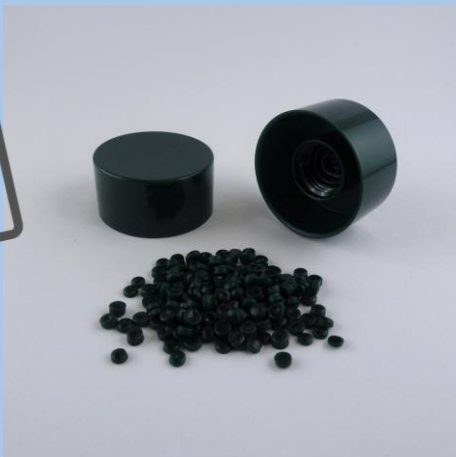
In general, it should be noted that unavoidable Color differences or dirt inclusions may occur in an Article from PCR from material batch to material batch, e.g. It is not possible to create a range board, as the PCR manufacturer cannot provide any guarantee regarding possible variations.

RUBA-PIR (Post Industrial Recycled)

Our production waste is fully collected, grounded down and regranulate with our black standard masterbatch PP-3719. The high quality regranulate will be produced and returned to us. This is how our in-house PIR granulate is created.

Through this process we can proudly announce that almost 100% of it will be reused.

The RUBA-PIR regranulate can be used very well as an alternative for black caps. Since the glossy surface is generally more sensitive, we see the matt version as more suitable.



RUBA-PIR

Proportion PIR: 95%

Masterbatch PP-3719: 5%

From own production waste

Color of resin: black

Recommended outside shape of caps: matt

We would like to point out to the fact, that by the PCR and PIR may occur from batch to batch for example unavoidable color shades differences or dirt inclusions.

Are you confronted with new customer inquiries?

Geared to your individual needs, we help you to take on these challenges and are happy to test other new materials for you.

