

Grupa Recykl S.A.



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GRUPA RECYKL S.A.

Recykl Organizacja Odzysku S.A.

Reco-Trans Sp. z o.o.



History of Grupa Recykl S.A.

2004

- Recykl Organizacja Odzysku S.A. starts business activity in the collection and management of packaging and post-consumer waste
- Reco-Trans Sp. z o. o. starts business activity in the international transport of bulky goods

2005

- Recykl O.O. S.A. makes a decision to specialise in tyre recycling

2006

- Recykl O.O. S.A. starts a waste tyre granulating line of the capacity of 18 tons per year in Przysieka Polska
- Reco-Trans starts transporting waste tyres which now account for 80 per cent of all transported goods

2009

- Extension of the production line and own waste tyres collection network, Recykl O.O. S.A. receives a subsidy from NFOŚiGW (National Fund for Environment Protection and Water Management)

History Grupy Recykl S.A.

2010

- Decision on the construction of a new plant in Śrem, Recykl O.O. S.A. receives a subsidy from NFOŚiGW (National Fund for Environment Protection and Water Management)
- Setting up a company - GRUPA RECYKL S.A.
- Decision on private share offering and floating shares on NewConnect at the Warsaw Stock Exchange

2011

- Start-up of the new plant in Śrem

2013

- Acquisition of ABC Recycling in Krosno Odrzańskie and incorporation of the acquired company into Grupa Recykl S.A.
- Starting cooperation with partners in Germany and Lithuania

2014 - present

- Further extension of own waste tyres collection network
- Starting cooperation with partners in Slovakia, Belarus and the Czech Republic

Structure of Grupa Recykl S.A.

- **Grupa Recykl S.A.**

- management of the entities within the group

- **Recykl Organizacja Odzysku S.A.**

- waste tyres reprocessing
- recovery
- recycling

- **Reco-Trans Sp. z o.o.**

- collection of tyres and logistics



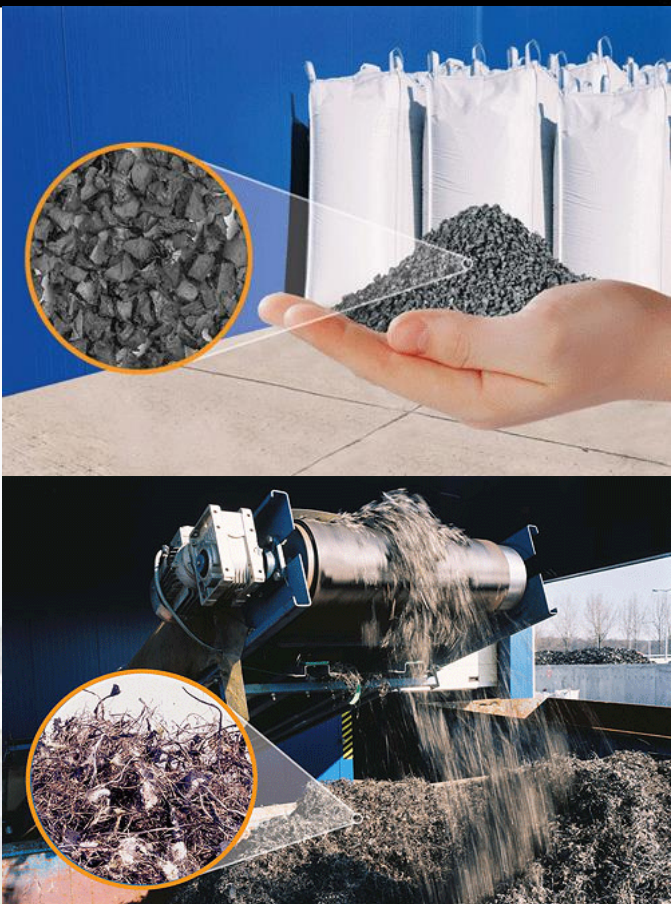
Presentation of a capital group
Recykl S.A.

Company's objects

The main area of Grupa RECYKL S.A. business activity is the management of post-consumer waste such as used tyres.

Companies of the Group:

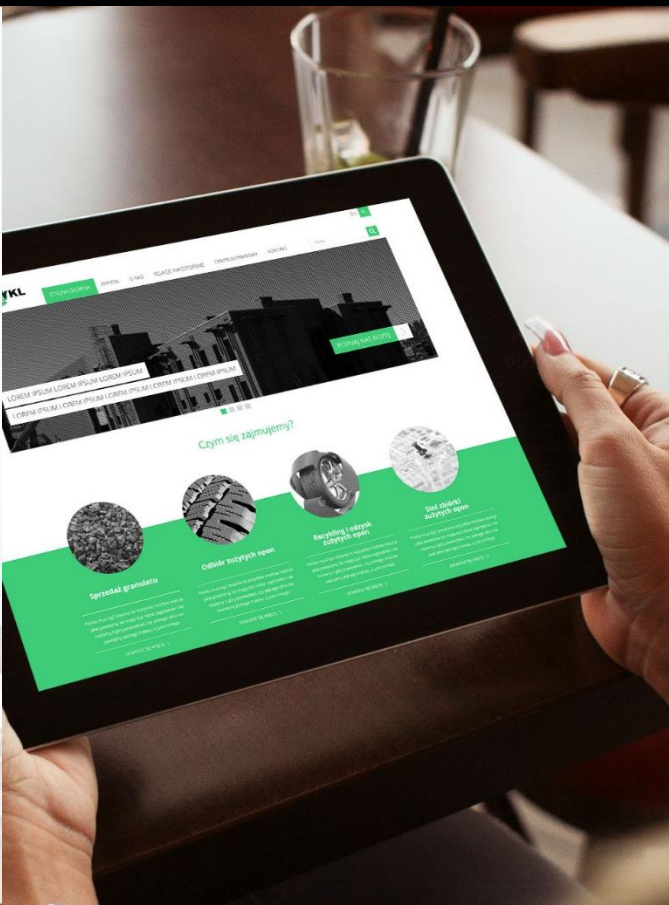
- collect used tyres,
- produce rubber granulate
- offer recycling and recovery services related to used tyres
- provide settlement of product charges



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Reco-Trans Sp. z o.o.



10 years' experience of Grupa Recykl S.A.



- The capacity we reach in rubber granulates makes us a leader in the tyre recycling industry in Poland
- We have a processing technology for oversize tyres (the market of oversize tyres is estimated to be approximately 10,000 tons per year)
- The Group has technologically advanced production lines to ensure high quality products, free from any contamination
- We boast our own and unique collection network of waste tyres.
- We have technological lines to reprocess waste tyres into alternative fuel

Presentation of a capital group
Recykl S.A.

Recykl O.O S.A. - the leader in tyre recovery



- We recover about 75,000 tons of waste tyres
- We produce about 25,000 tons of high quality granulate
- We deliver about 35,000 tons of alternative fuel to cement plants
- We recover about 15,000 tons of high quality scrap in the form of steel wire (from our own production and purchased externally from installations of lower efficiency than our installations)



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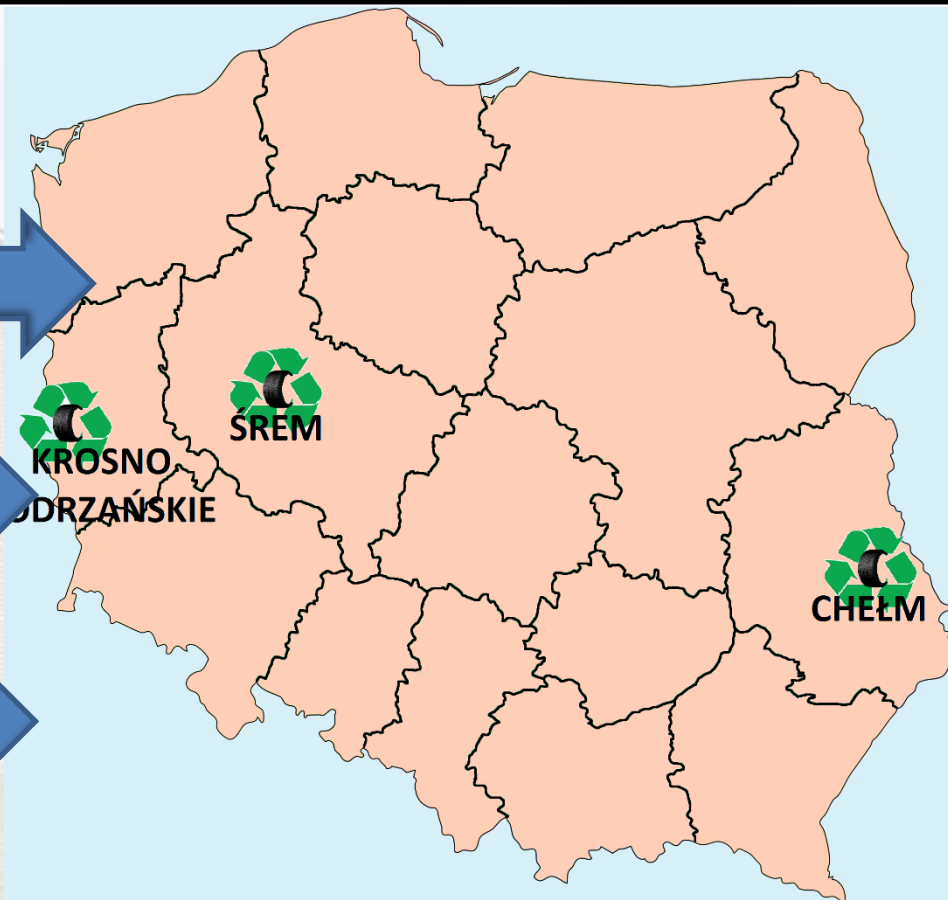
Location of RECYKL O.O. S.A.

•Headquarters of Grupa Recykl S.A.

Production Plant ŚREM

•Production Plant
Krosno Odrzańskie

•Production Plant
Chełm



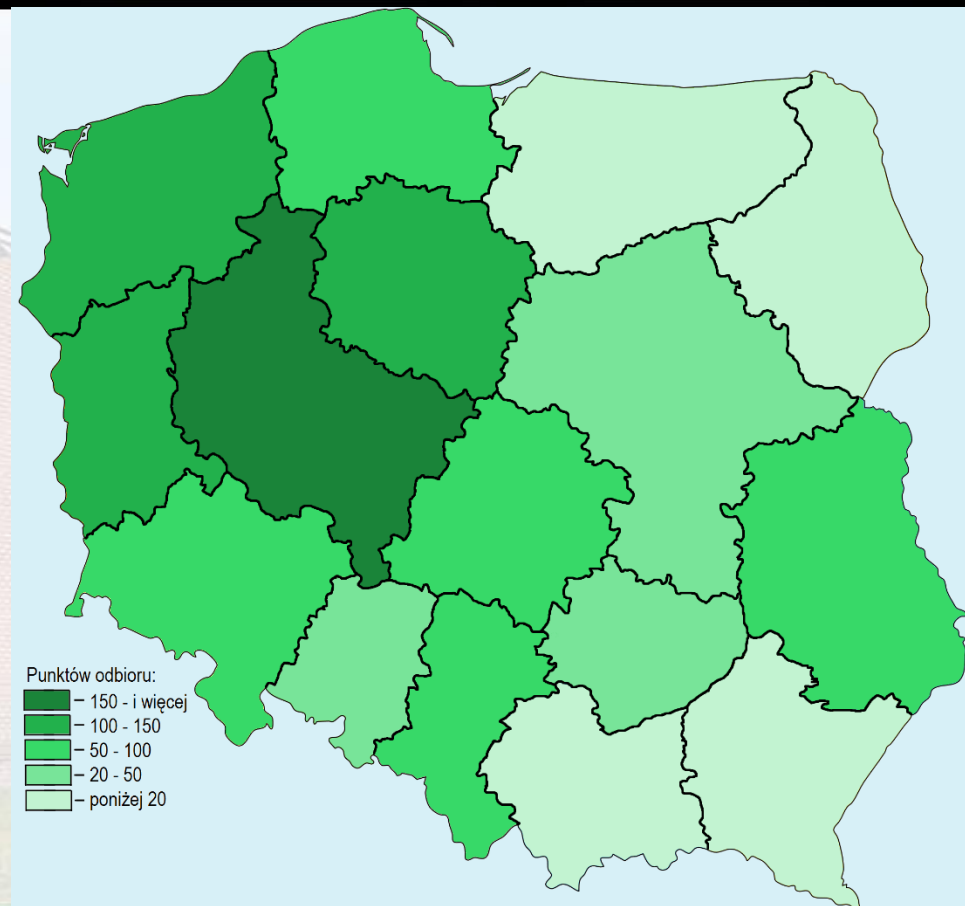
Collection network of used tyres



Grupa Recykl has an efficiently organised collection network of used tyres in Poland. We also collect raw materials, i.e. tyres in Germany and Lithuania.

RECYKL S.A. plants receive:

- passenger car tyres
- truck tyres
- specialist tyres
- agricultural vehicles tyres
- oversized tyres



Market of used tyres in Poland



- The annual sales of tyres in Poland amount to more than 200,000 tons.
- At least 75% of the tyres brought onto the market go to the recovery process, including 15% which go to recycling
- About 100,000 tons are used to produce alternative fuel
- About 65,000 tons are processed into granulate
- About 20,000 tons are steel scrap
- Some tyres are remoulded and brought back onto the market

Product recycling



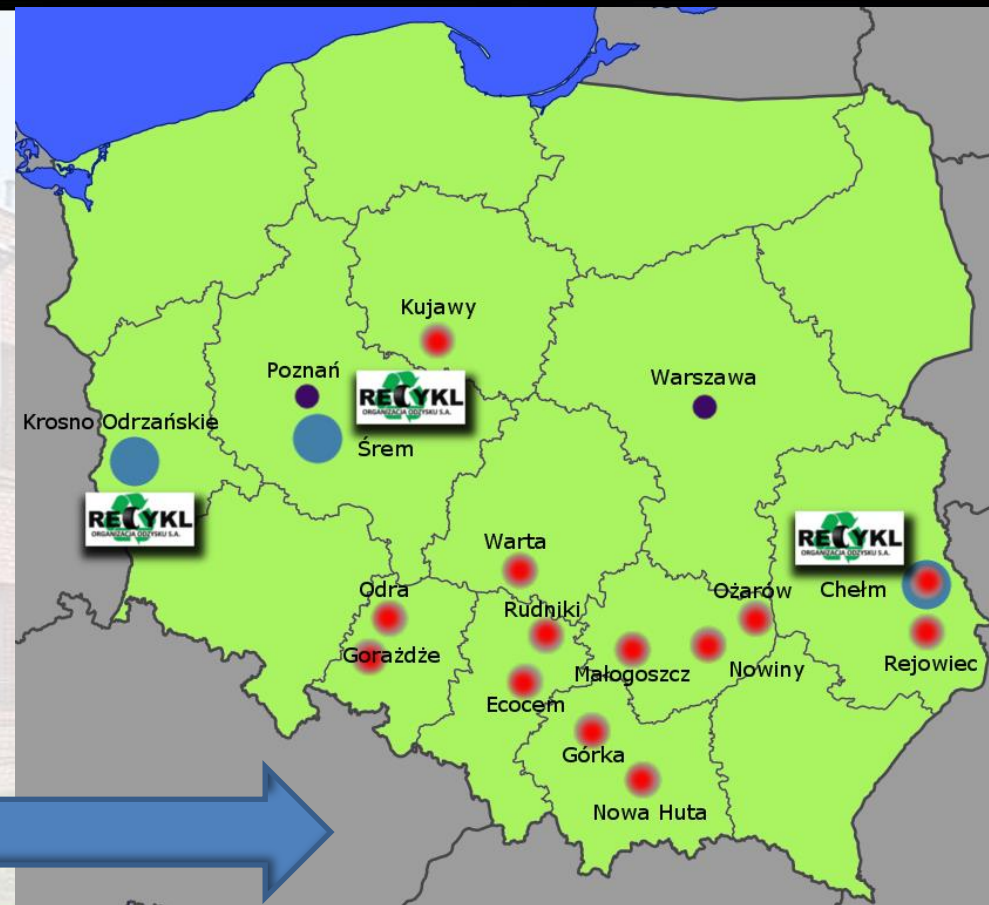
Product recycling in this case means re-using tyres which can be used as whole, cut into parts or pressed.

Range of applications:

safety and sound absorbing barriers, impact absorbers, insulations, subgrades, strengthening elements in road infrastructure, embankments along the shores of water bodies and river banks, temporary site surfaces, material for mats, tiles, bumpers, etc.

Burning for energy recovery

Due to its high energy value,
the rubber granulate, so-
called „chips” is used for
burning in stoker-fired boilers
and in cement kilns.
12 cement plants in Poland..



Material recycling



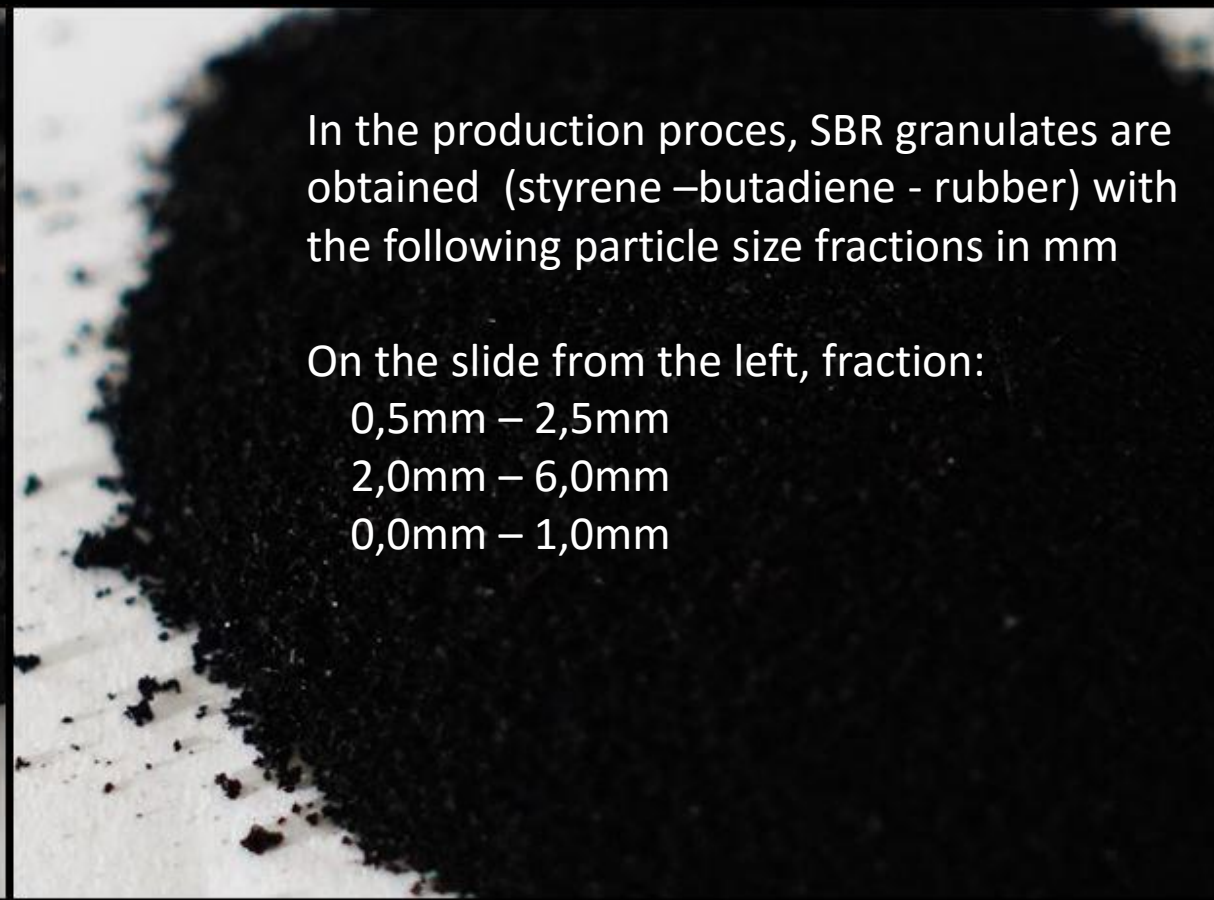
•**grinding tyres in ambient temperature** – tyre chips are size reduced with the use of mills, granulators and presses.

THIS PROCESS IS USED IN GRUPA RECYKL S.A. PLANTS.

•**cryogenic size reduction of tyres** – tyre chips are cooled down to the temperature of liquid nitrogen below the brittleness temperature (-80°C) and size reduced by crushing mills, so-called hammer-mills.

•**Size reduction using the Berstorff method** - apart from a mechanical size reduction process, the material is additionally subject to pounding and intensive cooling down to obtain powder of the finest fraction of approximately 100-600 μm .

Excellent raw material – SBR granulate



In the production proces, SBR granulates are obtained (styrene –butadiene - rubber) with the following particle size fractions in mm

On the slide from the left, fraction:

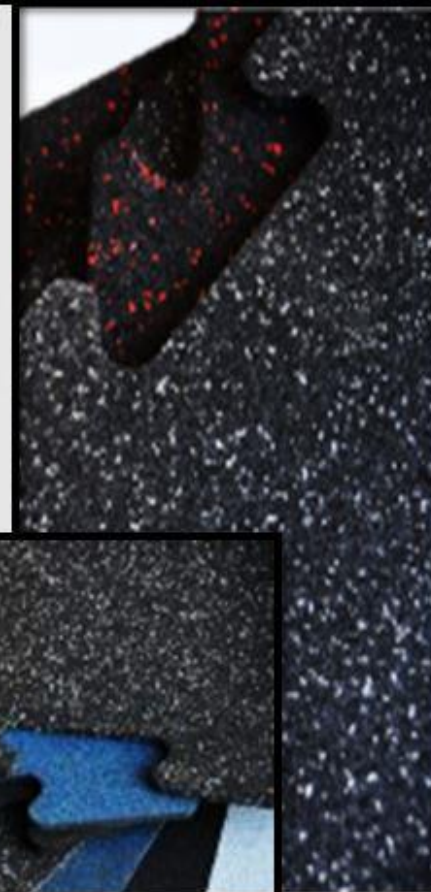
0,5mm – 2,5mm

2,0mm – 6,0mm

0,0mm – 1,0mm

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Excellent raw material – mats



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Excellent raw material – playgrounds

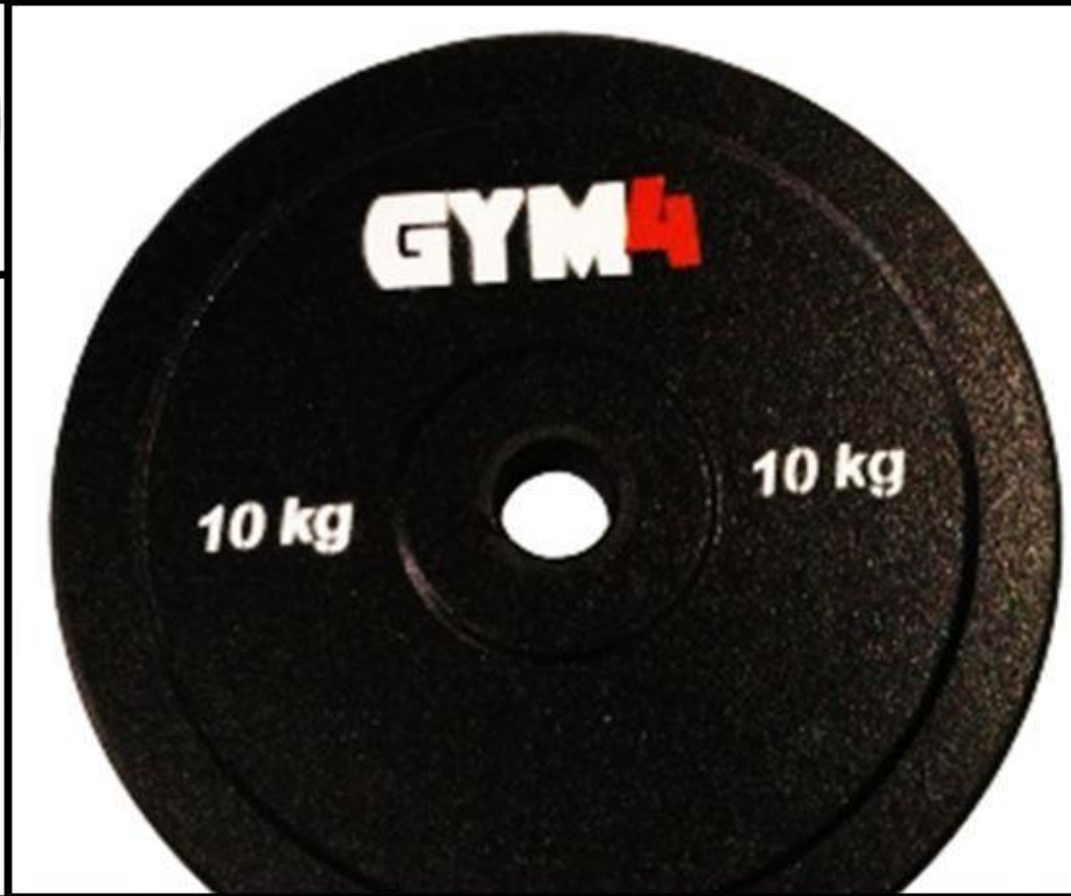


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Excellent raw material – gyms



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Excellent raw materials – sports fields



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Excellent raw material – industry



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Thank you for your attention

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ODZYSK RECYKL 2017

Prezentacja grupy kapitałowej Recykl S.A.



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