

HOW IS YOUR **PLASTIC** **RECYCLED?**

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Plastics are **recycled at least 5-6 times in India** and almost all types are pre-processed by the informal sector before being passed on to the formal one, to make plastic products.

How does the recyclable plastic waste you generate get recycled?

Swipe to know!



MECHANICAL RECYCLING

It is a process of recycling plastics into secondary raw material or products, **without largely changing the chemical structure of the material.**

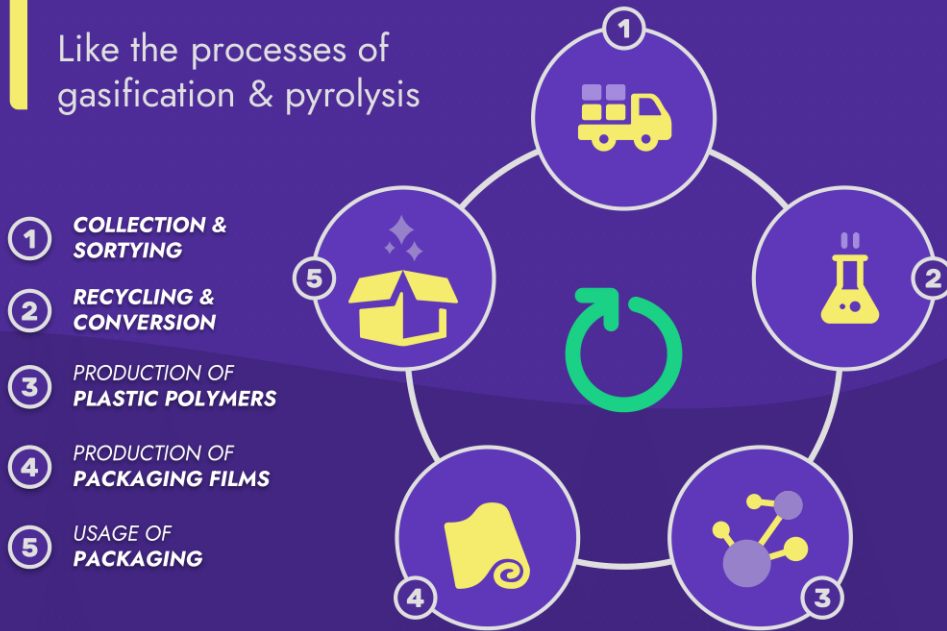
Mechanical recycling is **more environmentally feasible** than chemical recycling or energy recovery.



CHEMICAL RECYCLING

It changes the plastic waste's chemical structure, converting into shorter, smaller molecules **ready to be used for new chemical reactions.**

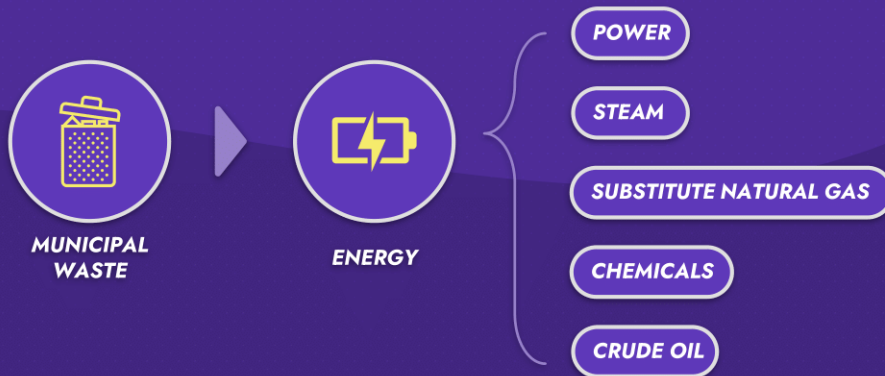
Like the processes of gasification & pyrolysis



ENERGY RECOVERY

Examples of this include co-processing in cement plants or use in Waste to Energy plants.

It is widely believed that technologies such as Waste to Energy are being pushed into the market not as a solution to non-recyclable plastic but for **burning non-segregated municipal solid waste**.



PLASTICS WITHIN

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THE CIRCULAR ECONOMY FRAMEWORK



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Our economy and lifestyles are **heavily dependent on plastics.**

Using plastics in a sustainable manner would mean thinking about the production, use and post-use life of plastics using the principles of the circular economy.



SOME WAYS FOR

Eliminating Waste/Pollution From The Manufacture And Use Of Plastics.



Plastic manufacturing must be decoupled from use of fossil fuels



Manufacturers must use increasing amounts of recycled plastic in other products' manufacturing

Other than food products



No waste is produced due to the production, use and distribution of their plastics products or their packaging.



Brand owners need to take up the responsibility to ensure that:



They reduce or reuse packaging



Products are sold without, as little and/or reusable packaging as much as possible



Products with plastic packaging use recycled plastics.

