Data Dictionary

* Chemical recycling means a process changing the chemical structure of plastic waste, converting it into shorter molecules, ready to be used for new chemical reactions.
* Electronic plastics refer to a variety of synthetic materials, but the **plastics** used to manufacture **electronics** are typically one of the following kinds: ABS (acrylonitrile butadiene styrene), polycarbonate or PVC (polyvinyl chloride)
* Emission an [amount](https://dictionary.cambridge.org/us/dictionary/english/amount) of something, [especially](https://dictionary.cambridge.org/us/dictionary/english/especially) a [gas](https://dictionary.cambridge.org/us/dictionary/english/gas) that [harms](https://dictionary.cambridge.org/us/dictionary/english/harm) the [environment](https://dictionary.cambridge.org/us/dictionary/english/environment), that is [sent](https://dictionary.cambridge.org/us/dictionary/english/sent) out into the [air](https://dictionary.cambridge.org/us/dictionary/english/air),
* Energy recovery Energy recovery is conversion of waste to energy via combustion, gasification or liquefaction as a valuable alternative for plastics-rich waste fractions that cannot be sustainably recycled
* E-waste used electronic devices such as mobile phones, computers, televisions, etc., that have been thrown away
* Heavy metals are any metallic chemical element that has a relatively high density and is toxic or poisonous at low concentrations. Examples of **heavy metals** include mercury (Hg), cadmium (Cd), arsenic (As), chromium (Cr), thallium (Tl), and lead (Pb).
* Mechanical recycling method by which waste materials are **recycled** into “new” (secondary) raw materials without changing the basic structure of the material
* Metal Recovery, such as gold, tantalum, copper, iron etc.) from E-**waste** a process that uses the mechanical recycling, thermo-chemical processes like pyrolysis, pyro-, hydro- and biometallurgical processes.
* Pyrolysis: the application of heat to chemical compounds in order to cause decomposition caused by high temperature
* TCLP - Toxicity characteristic leaching procedure (**TCLP**) is a soil sample extraction method for chemical analysis employed as an analytical method to simulate leaching through a landfill. ... The extract is analyzed for substances appropriate to the protocol
* Thermo-mechanical recycling include all the methods where chemical compounds or microorganisms are used to attack and break the crosslinks. • Physical processes such as mechanical, thermomechanical, microwaves, and ultrasonic processes