



what is reverte?





Reverte™ is a family of **oxo-biodegradable additive masterbatches** which has been developed for a wide range of polymers and packaging applications.

The term 'Oxo-biodegradability' is a hybridisation of two words; **oxidation and biodegradability**. It defines clearly a two step process initiated in this case by the Reverte™ additive degrading (breaking up) the polymer chain in order to make it available for biodegradability within the environment when a treated item has finished its useful life.

The oxidation phase reduces the polymer molecular weight and introduces oxygen into the structure. This process transforms the plastic from long strands to much smaller lengths. By reducing the chain length of the polymer the material loses its physical strength, making it brittle and non-plastic. The biodegradability aspect refers to the conversion of these lower molecular weight species by bacteria into biomass, CO₂ and H₂O.

Oxo-biodegradables

- **Help reduce the impact of plastic waste on the environment.**
- **Adds value to products and brands.**
- **Small addition (generally 1%) renders standard polyolefins oxo-biodegradable.**
- **No modification or investment in machinery required for manufacturers.**
- **Cost effective method of enhancing the environmental credentials of plastics.**
- **Allows all the performance aspects of your polymer blend to be maintained.**

Reverte™ is **technically superior** to other oxo-biodegradables in the marketplace and this has been demonstrated time and time again. Reverte™ formulations offer a greater degree of control and predictability than conventional oxo-biodegradables, a fact which we believe sets Reverte™ products apart.'