



Purpose

The product family must be disposed of according to the legislation of the country. This document is intended for use by end of lifer recyclers or treatment facilities. It provides basic information to assure an appropriate end of life treatment for the components and the materials of our products.

Operations recommended for the end of life treatment

There are several steps to process the products at the end of life to recover components materials: It may not be economically viable to break down all components down such as epoxy resin castings to recycle due to the impact of energy usage required to melt down.

Reuse → Separate for specialist treatment → **Dismantling → Segregation → Recycle → Dispose**

The components of our products that optimise the recycling performance are identified and listed below: -

Components

Copper wire

The copper used for power cables is drawn from high conductivity rod but to a thicker size than fine wires. The presence of any undesirable impurities can cause problems which give failures during casting and hot rolling. For the same reason, scrap containing such impurities can only be used for this purpose if well diluted with good quality copper.

Brass

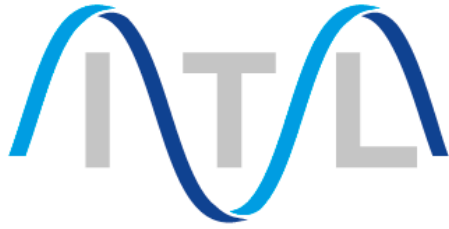
Brass scrap can be economically remelted but should be substantially free from excess lubricant, especially those including organic compounds that cause unacceptable fume during remelting.

Silicon Steel Cores

Electrical **steel** (lamination **steel**, **silicon** electrical **steel**, **silicon steel**, relay **steel**, transformer **steel**) is a special **steel** tailored to produce specific magnetic properties:

Mild Steel enclosures

Ferrous metals are able to be **recycled**, with **steel** being one of the most **recycled** materials in the world. Ferrous metals contain an appreciable percentage of iron and the addition of carbon and other substances creates **steel**.



**INSTRUMENT
TRANSFORMERS^{Ltd.}**

Screws & Washers

Recycling stainless steel is a similar process to the one used for other ferrous metals. Sorting because many forms of stainless steel are non-magnetic, this metal cannot be easily separated from other recyclables in a **recycling** facility with magnetic belts.

Resin Cast

Cured resin is considered inert and can be disposed of in regular waste streams.

Transformer Oil

Old transformer oil should not be thrown away although it may get dirty, used oil can be cleaned of contaminants and can be recycled again and again. Waste oil should be recycled to local rules and legislative requirements using an authorised waste carrier. There are many uses for recycled used oil.

- Industrial burner oil, where the used oil is dewatered, filtered and demineralised for use in industrial burners;
- Hydraulic oil;
- Bitumen based products;
- An additive in manufactured products; or
- Re-refined base oil for use as a lubricant, hydraulic or transformer oil.

This document is for information purposes on recycling.

Please consult contact your approved waste carrier for further details on local or national requirements for recycling.