JRC Dataset

Copper tube; technology mix; consumption mix, at plant; diameter 15 mm, 1 mm thickness (Location: EU-15)

Description:
The data set is part of a LCA study on copper products. The study is based on recent industry data supplied by the European copper industry, and thus reflecting the reality in copper semis fabrication. In comparative studies on tubes for various plumbing systems, e.g. drinking water, heating and gas, it is misleading to simply consider the impact of 1 m of tube made from different materials. Plumbing systems are normally designed to transport specified volumes of fluids, with different tube diameters and wall thicknesses required dependent on the choice of material. In addition, consideration must be given to the different design practices, installation and jointing standards and regulatory requirements for each. Many cradle to grave life cycle assessment studies have shown that the environmental aspects from the use and end of life phases of products are often much more significant. The economic value of copper scrap, based on its ability to be recycled 100% without any loss in performance, must be included in comparative assessments. Technical Purpose: Copper tube is typically used in building and construction sector. Geographical Representation: EU-15

Contributors:
- Fazio, Simone simone.fazio@ec.europa.eu
- Pennington, David david.pennington@ec.europa.eu

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Keywords:
Materials production, Metals and semimetals

Related resources:
Data access
- Full ELCD Database
  Landing Page to download the full ELCD Database.

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