JRC Dataset

Steel hot rolled coil (ILCD); blast furnace route; production mix, at plant; 1kg, typical thickness between 2 - 7 mm. typical width between 600 - 2100 mm (Location: GLO)

Description:
High data quality. Data collected on site by steel industry experts in accordance with the worldsteel methodology and ISO 14040 standards, and consistency-checked by worldsteel LCA-experts. Global coke, sinter, pellet, hot metal, slab production based on worldsteel site specific data. Metallurgical coal data based on global IEA statistics and information from the GaBi database. Iron ore data obtained from iron ore producer. Other upstream data based on the GaBi database, including country specific electricity. The LCI does not include any further processing beyond the steelworks gate such as bending, shaping, cutting, welding etc. Synonyms: Steel hot rolled coil (HRC)

Technical Purpose: Steel coil rolled on a hot-strip mill. It can be found on the market in coil or in sheets and is further processed into finished products by the manufacturers. The various types of hot rolled steel have applications in virtually all sectors of industry: transport, construction, shipbuilding, gas containers, pressure vessels, energy pipelines, etc. Hot rolled steel sheet with an anti-slip surface and a diamond or teardrop pattern are typically used for stairs, industrial floors and tailboards for goods vehicles. Geographical Representation: GLO

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How to cite:
Fazio, Simone; Pennington, David(2007): Steel hot rolled coil (ILCD); blast furnace route; production mix, at plant; 1kg, typical thickness between 2 - 7 mm. typical width between 600 - 2100 mm (Location: GLO). European Commission, Joint Research Centre (JRC) [Dataset] PID: http://data.europa.eu/89h/jrc-eplca-e16174fe-6542-4572-90bc-8980616ebe53

Keywords:
Materials production, Metals and semimetals

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

Additional information:
Issue date: 2007-01-01
Geo-graphic area: America, Africa, Antarctica, Europe, Oceania, Asia
Update frequency: None
Language: English
Data theme(s): Environment; Science and technology
EuroVoc domain(s): 36 SCIENCE; 52 ENVIRONMENT