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Sustainability of tool steels: PCF calculation of tool steels, the impact of tool steel PCF for the PCF of the products made with them and how to reduce tool steel PCF

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Tool steels are indispensable for the mass production of forgings and many other goods. The Product Carbon Footprint (PCF) of mass produced goods is becoming increasingly important for buyers in the automotive industry and in other sectors. So the PCF of tool steels, which need to be incorporated into a cradle-to-gate calculation of a product made with them, becomes increasingly important, too.
This contribution covers three topics:
•How to quickly calculate the PCF of tool steels using the Footprint Reduction Tool FRED. FRED is a web-basedprogram steming from an industry association project. With FRED, users can generate PCFs which comply to ISO14067. FRED is easy to use and very economic
•It will be shown what influence the tool steel PCF has on the PCF of a product made using tool steel.These calculations can be made using FRED, too
•Approaches to reduce the PCF of tool steels are important for the tool steel maker as his CorporateCarbon Footprint (CCF) determines the evaluation of his sustainability efforts. Accordingly, ways to reduce the CO_2 emissions during tool steel production will be discussed

Speaker Country

Germany

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No

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