

Title (en)
LUBRICANT FOR THE HOT FORMING OF METALS

Title (de)
SCHMIERSTOFF FÜR DIE HEISSUMFORMUNG VON METALLEN

Title (fr)
LUBRIFIANT POUR LE FAÇONNAGE À CHAUD DE MÉTAUX

Publication
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Application
EP 20706258 A 20200221

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Abstract (en)
[origin: WO2020169800A1] The invention relates to a lubricant for the hot forming of metals, in particular for lubricating the mandrel and/or the hollow block when producing seamless pipes, characterised in that the lubricant, in terms of solid fractions, contains at least the following constituents: - 55 to 85 wt% of a solid lubricating agent, consisting of a mixture of talc and a potassium mica, the ratio of talc to potassium mica in the solid lubricating agent being 2.0 to 5.0, - 10 to 30 wt% of an adhesion promoter, selected from a polyvinyl acetate, sodium water glass and dextrin or a mixture thereof, - 2 to 10 wt% of a thickener, selected from hydroxy cellulose, hydroxyethyl cellulose, hydroxypropyl cellulose, carboxymethyl cellulose, methyl cellulose, ethyl cellulose, methylethyl cellulose, hydroxyethyl methyl cellulose, hydroxypropyl methyl cellulose, ethylhydroxy methyl cellulose, carboxymethyl hydroxycellulose, dextrin, starch, organically modified bentonite, smectite and xanthan gum, - 0 to 10 wt% of other auxiliary agents, preferably selected from anti-foaming agent, dispersing agent and biocide and - not more than 10 wt% graphite, preferably not more than 5 wt% graphite, particularly preferably no graphite.

IPC 8 full level
C10M 173/02 (2006.01)

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