

Title (en)
ELECTRIC RESISTANCE WELDED STEEL PIPE FOR LINEPIPE

Title (de)
WIDERSTANDSGESCHWEISSTES STAHLROHR FÜR LEITUNGSROHRE

Title (fr)
TUYAU EN ACIER SOUDÉ PAR RÉSISTANCE ÉLECTRIQUE DESTINÉ À DES TUYAUX DE CANALISATION

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Application
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Abstract (en)
[origin: EP3960891A1] The present invention provides an electric resistance welded steel pipe for a linepipe, in which a base metal portion includes, in terms of % by mass, 0.03% or more and less than 0.10% of C, from 0.30 to 1.00% of Mn, from 0.010 to 0.100% of Nb, from 0.010 to 0.500% of Si, and a balance including Fe and impurities, in which a value of C_{Neq} is from 0.12 to 0.25, a ratio Mn/Si is 2.0 or more, and a value of LR is 0.25 or more; in which the base metal portion has a metallographic microstructure which has a ferrite ratio of from 80 to 98%, with a balance structure including pearlite and/or bainite, and which has a difference in hardness (balance structure - ferrite) of from 50 to 100 Hv; in which the electric resistance welded steel pipe satisfies a YS of 360 MPa or more, a TS of 465 MPa or more, and a YR of 0.90 or less; and in which each of the base metal portion and an electric resistance welded portion has a Charpy absorbed energy at 0°C of 100 J or more. C_{Neq}=C+Mn/6+Cr/5+Ni/Cu/15+Nb+Mo+VLR=2.1C+Nb/Mn

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