

IS 6967 : 1973 Specification for steels for electrically welded round link chains

This standard covers the requirements for steels for electrically welded round link chains in the form of billets and bars. The steel, provided in the form of billets and bars, can be manufactured using open hearth, electric, basic oxygen, or a combination of these processes. The standard mandates the steel to be fully killed and free from any detrimental internal or surface defects.

The document provides detailed information about the steel's chemical composition, emphasizing both ladle and product analysis, with permissible variations outlined for the latter. The steel can be delivered as-rolled, normalized, or annealed, with recommended temperatures for these treatments given in Appendix B. The standard also outlines mechanical properties, including tensile strength, yield strength, elongation, and impact strength, for various steel designations. Hardness testing procedures and limits for annealed or normalized products are also provided. The standard is under mandatory certification.