

Invention relates to metallurgy and concerns heat treatment of forged pipes made of heat-resistant, low-alloy, ferritic-pearlitic, low-carbon steel. Method is proposed in which, after heating pipes to the austenitizing temperature and subsequent cooling, they are heated and held at a tempering temperature of 730-760 °C, followed by cooling in air. Before heating pipes to the austenitizing temperature, they are preheated to a temperature of 640-660 °C. Heating to the austenitizing temperature is carried out to 970-975 °C, followed by cooling in sprayer unit to a metal temperature of 200-250 °C. Usually, pipes have a diameter of 750-850 mm and a wall thickness of 32-36 mm, and water-air mixture is used in sprayer unit. As a result of implementing this method, an impact toughness level with a notched test exceeding 30 J/cm² and a fine grain structure in material microstructure are achieved.