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Usability of Various LTCC in Microstrip Filters Construction
Structure and Properties of Selected Natural MaterialsCyclic Test of DP600 Steel under Tension-Compression Load for Different Pre-Strain Levels; New Austenitic Creep Resistant Steels for Superheaters of USC Boilers; Comparison of Experimental Stamping Punch Machinability Made out of Unconventional Materials; Facesheet-Core Interface Delamination in Sandwich Panels; Possibilities of Preparing Tools Working in Conditions of Abrasion Wear with the Modification of the Tool Surfaces by Nitridation; The Methodic of Testing Using Experimental Equipment
Influence of the Strain Rate and Heat Treatment on the Mechanical Properties of Steel SheetsHigh Temperature Oxidation of 9-12% Cr Materials P91 and P92 in Supercritical Water; Cleanness and Mechanical Properties of Steel after Remelting under Different Slags by ESR; IF Steel Effect of Rate Deformation on the Fracture Surface Change; Microstructure of Agglomerate Produced with Charcoal as Substitution Fuel; The Influence of Current Density on Tribological Behavior Ni-Co Electroplated Coatings; Analysis of Crack in Kaplan Turbine Blade Calibration Process and Constructions of Extrusion CalibratorsA Comparison of Mechanical Properties of Lumbar Bilateral Implants Manufactured by Additive and Conventional Technologies; Influence of Welding Parameters on the Quality of Resistance Spot Welded Joints of DP600 Steels; Hydrodynamic Analysis of Fluid Effect in Rigid Rectangular Tank due to Harmonic Motion; The Methodology for Determining the Springback of Large Metal Stampings; A Study of Thickness Change of Spherical Cup Made from TRIP Steel after Hydraulic Bulge Test; Steel KODUR 460MC under Creep Condition Analysis of Material Solutions of Exterior Walls with Contact Thermal Insulation System

Sommario/riassunto

These are the proceedings of the 9th Scientific-Technical Conference on ""Material in engineering practice, 2014"". Its content was intended to present innovative materials on improving the properties of materials and quality of materials and, also on the degradation of properties during operation. Special attention was paid to the prediction of mechanical and technology materials properties as well as modern methods for testing the characteristics of materials. These are the proceedings of the 9th Scientific-Technical Conference on ""Material in engineering practice, 2014"". Its content was i