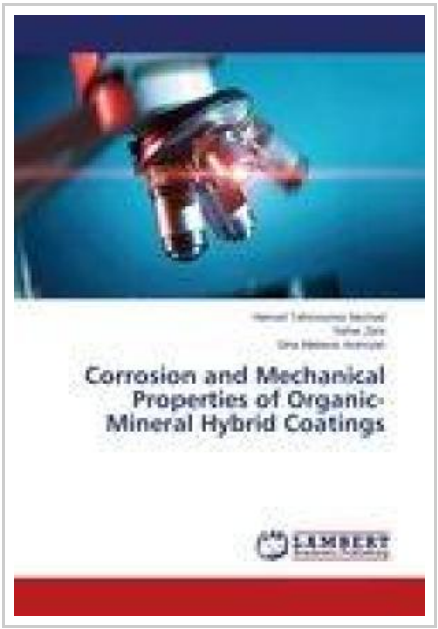

Corrosion and Mechanical Properties of Organic-Mineral Hybrid Coatings

By Hamed Tahmouresi Nezhad

LAP Lambert Academic Publishing Jun 2014, 2014. Taschenbuch. Book Condition: Neu. 220x150x7 mm. This item is printed on demand - Print on Demand Neuware - Hybrid organic-inorganic coating prepared through the process of Sol-Gel have a set of mechanical, chemical properties because of their having organic- inorganic network within their structure. Such coating has been prepared through the processes of hydrolysis and compression exerted upon compounds: GPTMS 3-Glycidoxypropyl methyldiethoxysilane, TEOS Tetraethyl orthosilicate, and also titanium tetra butoxide all in adjacency with the bisphenol A vulcanizator which is aromatic diol. The films provided by means of scanning electron microscopy (SEM) and Transmission Electron Microscopy (TEM), the bonds created in between silane epoxy compounds and the vulcanizator in addition to the very vulcanizator and oxide layer on the surface of the metal bedding by Fourier Transform Infrared Spectroscopy (FT-IR) and attenuated total reflection infrared spectroscopy (ATR-IR) were studied. Because of the prominent role played by nano-particles in corrosion resistance, heat resistance and optical, physical, dynamic-mechanical specifics, six types of samples were provided with the simultaneous investigation into the effects of various percentages of nano-particles over and above their types. 124 pp. Englisch.

Reviews

Complete guideline! Its this type of great read through. it absolutely was writtern quite perfectly and helpful. I am very happy to explain how this is basically the best book i actually have read through during my personal life and can be he very best book for at any time.

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A very awesome book with perfect and lucid reasons. It really is basic but shocks within the 50 percent of the book. Its been designed in an exceptionally easy way and is particularly merely right after i finished reading this ebook where in fact changed me, change the way i think.

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