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Coatings tribology—contact mechanisms and surface design

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*Coatings Tribology: Properties, Mechanisms, Techniques and ... Observations of the considerable influence of transfer films on the tribological behaviour of the contact have been reported, for example, for polytetrafluorethylene and polyimide coatings, titanium nitride coatings*38, 85, 86, *diamond-like carbon coatings*53, 54, 56, 57, 60, *diamond coatings and for molybdenum disulfide coatings*54, 88.

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This book presents a general view on thin surface coatings used for tribological applications and it is based on the current state of understanding. The mechanisms of friction and wear in sliding and rolling contacts of coated surfaces are described. Basic information on coating techniques, tribology and surface mechanisms is given. Based on collected experimental works information is given on ...

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www.tribology.fink.rs Wear Behavior of PVD-Coatings M. Merklein a, T. Schrader a, U. Engela a Chair of Manufacturing Technology, Department of Mechanical Engineering, Friedrich-Alexander-University*

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