
Carbon based films — Classification and designations

Films à base de carbone — Classification et désignations

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Foreword

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Introduction

Carbon based films are applied as a coating to modify the surface properties of parts or to synthesize the carbon material. The applications cover machine elements, tools, optics, electronics, medical engineering, microsystem technology, electrochemistry, acoustics, decoration and many more. Carbon based films exist as many different types, which differ significantly in their properties. It is therefore important to choose the right film type for a given application.

The aim of this document is to provide a consistent classification that covers all carbon based film types. Furthermore, the classified film types are named with a system of consistent designations. This enables both providers and users to compare different carbon based films on common nomenclature.

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