

## eBook Information

# Metallic Glasses and Their Composites

2nd updated and extended edition

**D.V. Louzguine**

Monograph / PDF eBook DRM Free

The formation of metallic glasses and dual-phase composite/hybrid materials is reviewed, as well as the glass transition process and the resulting structural phenomena. These materials exhibit high strength, extreme hardness, good wear resistance and large elastic deformation.

*Keyword:* Metallic Glasses, Crystal/Glass Composites, Dual-phase Composite/Hybrid Materials, Supercooled Liquid, Devitrification, Magnetic Materials, Microelectromechanical Devices, Pressure Sensors, Orthopedic Screws, Precision Instruments, Biological Implants, Electromagnetic Wave Shields, Optical Mirrors, Power Inductors, Coriolis Flow Meters

**ISBN 13:** 978-1-64490-101-4, **Publication Date:** 2021 (1/5/2021)

**Direct URL:** <https://www.mrforum.com/product/metallic-glasses>

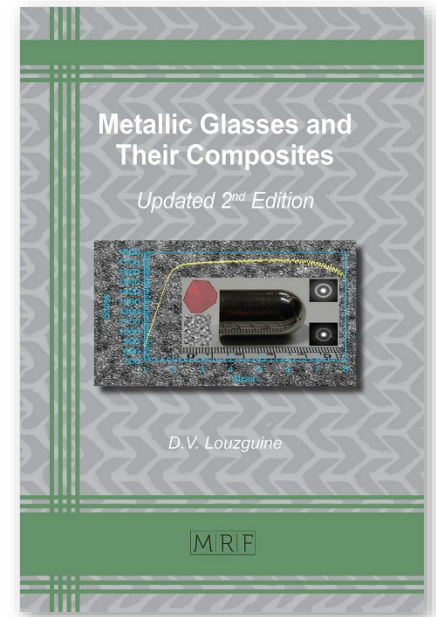
358 pages, PDF eBook DRM Free, USD 95.00

*Materials Research Foundations Vol. 85* / **BISAC:** TEC021000 / **BIC/Thema:** TGM

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Summary:

Metallic glasses and their crystal/glass composites find ever more applications in such fields as mini transformers, microelectromechanical devices, pressure sensors, precision surgical instruments, biological implants and sportive goods (springs, diaphragms, membranes, knife blades, electromagnetic wave shields, optical mirrors, power inductors, Coriolis flow meters, etc.). The book reviews recent research and suggests future developments, e.g. in the area of dual-phase composite/hybrid materials.



## Full color print book information

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