

be applied to metals, alloys and compounds with melting points in the range 1600–4000 °C. . . They have included in this book an extensive amount of information on most common refractory materials—borides, carbides, nitrides, beryllides, aluminides, silicides, phosphides, and sulfides (oxides are omitted). The initial five chapters provide their crystal structures, densities and their thermochemi-

cal, thermal, electrical, magnetic, optical, mechanical and refractory properties. A general account of refractory compounds' resistance to the action of chemical reagents and molten media and to oxidation follows in the next two chapters. The closing section has tables that show basic data on the current and prospective uses of refractory materials in industry. Phase diagrams of selected binary systems ap-

pear in an appendix. The book lists many references to review-type papers that themselves contain references to various original publications. —SCA

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