



The Silica Refractories of Pennsylvania (Classic Reprint) (Paperback)

By E S Moore

Forgotten Books, 2017. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from The Silica Refractories of Pennsylvania Certain portions of the Chiekie formation from the Upper Cambrian in southeastern Pennsylvania contain sufficient mica to justify the name mica schist instead of quartzite, the name of the rock which comprises the greater part of this formation. Some bands of this mica schist make a very good refractory because the rock will stand high temperatures, is durable and easily trimmed. The rock is really a highly metamorphosed quartzite with practically all the Aluminous impurities altered to muscovite the colorless mica. Here the mica is not too abundant the fusibility of the rock is practically that of quartz because even though the mica fuses at a comparatively low temperature it simply glazes the surface of the rock and exerts very little influence on the fusibility of the rock as a whole. A fusion test on the rock showed that even thin edges on fragments (did not fuse at 1700c. The melting point of cristobalite, the highest temperature form of silica, is 1710c. or by the cone method of determining fusion points. - 1790c. About...



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