

LAVA

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Lava is a mined stone (chemically known as hydrous aluminum silicate) which is easily machined. It can be used in a fired or unfired state. When fired to approximately 2000 deg F, it becomes a hard material with excellent thermal shock, electrical, and mechanical properties.

Lava is readily machined by the average job shop using standard techniques. It is necessary that cross sections be limited to a maximum of 1/2", unless stress relief procedures are incorporated to avoid cracking if the part requires firing.

Applications are varied and include electrical insulators, welding torch tips, heat treat fixtures, induction heater components, and prototyping for other ceramic materials. Lava is provided as fully manufactured components as well as unfired rods, blocks and plates.

From prototypes to small or high volume production, the INTA Technologies and Superior Technical Ceramics highly qualified and friendly staff is available to provide design and engineering support. If your company requires a quality solution for a complex product delivered on-time with exceptional service, our staff is ready to assist you.

The Lava datasheet is located on the internet at the following address:

<http://www.ceramics.net/materials/lava.shtml>