

UA HEAT SHIELD

HEAT-RESISTANT MATERIAL FOR INSULATING AND POSITIONING PARTS FOR WELDING

GENERAL CHARACTERISTICS:

An easy-to-mold compound that is used as a heat dam and insulator to protect metal and other material from the effects of heat. The dough-like consistency of HEAT SHEILD makes it easy to mold around intricate parts. It will adhere to most surfaces making it ideal for use as a jiggging fixture or insulator for parts to be welded. HEAT SHEILD will not distort or shrink when heated.

APPLICATIONS:

Can be used as a heat sink to absorb heat and avoid surface discoloration on heat sensitive parts. It can be used as a heat dam to prevent heat from traveling to areas that can be damaged by heat, such as O-rings, packing glands, glass, and paint. HEAT SHIELD is ideal to hold or position difficult to align parts. HEAT SHIELD will keep distortion down when welding on light gauge metals such as stainless steel.

TECHNICAL DATA:

- Asbestos free - Does not contain any toxic elements.
- Maintains shape when heated.
- Withstands temperatures to 3000°F.
- Can be reused.
- Can be reconstituted using water.

PROCEDURE:

Position each of the parts to be joined in a mound of HEAT SHIELD large enough to support its weight. Adjust the alignment as necessary before welding. If parts need to be protected from heat, cover that area with a thin layer of HEAT SHIELD. For high temperature applications or where heat is applied for a prolonged time, use a thicker coating. HEAT SHIELD can also be used to protect non-metallic parts alongside the welding area. If moisture would be harmful to the protected area, a piece of plastic wrap should be applied first.