

Special and Custom MICA BAND HEATERS

FEATURES

- EXCEL's Mica Band Heaters are widely used to heat the molds, dies, nozzles and especially to heat the cylinders (barrels) on all types of plastic(s) processing machinery
- The mica heater is most economic
- It provides excellent dielectric strength
- It provides excellent thermal conductivity as heat transfer is by "conduction"
- Due to its best heat transfer capability, faster heating up & cooling down is possible
- Maximum sheath temperature up to 480°C (900°F)
- Maximum watt density = 25 watts / square inches
- Note : In case where high watt densities are required, it is important that All heaters should be used with appropriate, approved and precise temperature control/sensor device(s)
- The built in insulation is specially formulated for the excellent heat reflection & performance capabilities
- The low mass heaters give the best controllability. The lower the thermal mass, lesser time required to deliver the heat to the object to be heated. Due to low mass and high conductivity, the "Polymer Melt" is heated quickly. Resulting autotune function on a control works best.
- Flexible one or two - piece design makes installation faster & easier. Its flexible construction also allows the heater to be opened to the full diameter of the cylinder
- The most common square, rectangular and hex-shaped mica heaters can be manufactured as per your specifications in one or two piece units. Available with leads or terminals
- EXCEL's exclusive method of designing, maximizes the element wire coverage of the heated area. This results in uniform heat distribution & longer heater life
- The heater meets progressive requirements of the plastic processors

SPECIFICATIONS

- Dia : 2" or 50mm and up.
- Width : 1" or 25mm and up.
- Voltage : Up to 480 V (single or three phase)
- Watt Density : Up to 25 W/Sq. In.
- Resistance Tolerance : NEMA Standard plus 10% Minus 5%
- Wattage Tolerance : NEMA Standard plus 5%, Minus 10%
- Terminals : Junction Box fitted with braided cable & Post terminals & many more options.
- Sheath : Stainless Steel 304
- Insulation Material : Mica
- Clamping Arrangement : M6 Fastner & M6 Nut Bolt
- Maximum ID : Consult factory
- Standard gap when tightened : 3/8" to 1/2"

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