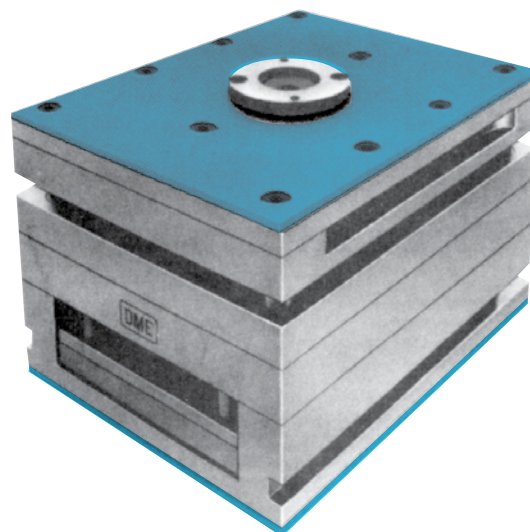


# High-Temperature Insulator Sheets and Locating Rings

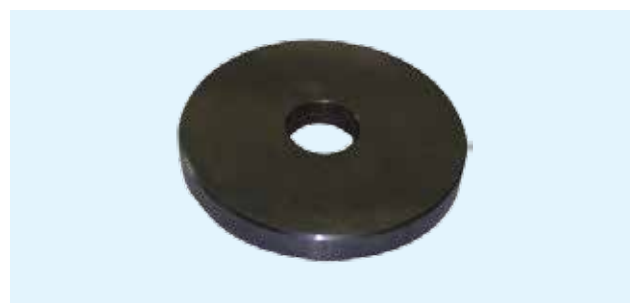
## High-Temperature Insulator Sheets (HTIS) for Plastics Moulds and Die-Cast Dies

- Asbestos-free material
- High compression strength
- Machinable with high-speed cutting tools

DME High-Temperature Insulator Sheets are used on moulds and dies between the top clamping plate and the stationary platen, and between the bottom of the ejector housing and the movable platen. The thermal insulating properties of this unique asbestos-free, glass-reinforced polymer composite inhibit heat transfer from the mould to the platen, or from the platen to the mould (depending on the application), which helps conserve energy and prolong machine life. These sheets have excellent non-deformation characteristics and a compressive strength (340,000kPa @ 24°C), which is higher than asbestos and mica materials. Compression moulded for high impact strength, they are supplied micro-finished top and bottom, parallel within  $\pm 0.05\text{mm}$ .



## Blank Locating Rings for use with Insulator Sheets



PART #	Ø D	HEIGHT	I.D
LR4	101.6mm	12mm	25.4mm

### General Data

COMPRESSIVE STRENGTH	340,000kPa @ 24°C 188,000kPa @ 150°C 124,000kPa @ 205°C 118,000kPa @ 260°C 103,000kPa @ 290°C
EXPANSION ACROSS THICKNESS	0.0001157 mm/mm/°C
EXPANSION ACROSS SURFACE	0.0000223 mm/mm/°C
WATER ABSORPTION	0.2%
MAXIMUM RECOMMENDED TEMPERATURE	290°C

### Insulator Sheets

PART #	THICKNESS	LENGTH	WIDTH	MASS
HTIS-1836-2	6.35mm	914mm	457mm	5.5Kg
HTIS-2436-2			610mm	7.3Kg
HTIS-3636-2			914mm	10.9Kg
HTIS-4896-2	6.35mm	2438mm	1219mm	47.6Kg
HTIS-1836-4	12.70mm	914mm	457mm	10.9Kg
HTIS-2436-4			610mm	14.5Kg
HTIS-3636-4			914mm	21.8Kg