DME®

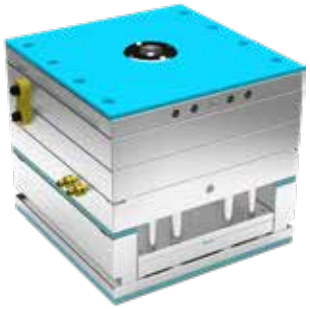
FROM PELLET TO PART
YOUR PARTNER
FOR PRODUCTIVITY
AND SUSTAINABILITY

HIGH TEMPERATURE INSULATOR SHEETS (HTIS)

DME Blue High-Temperature Insulator Sheets are designed for the Mold and Die industries to prevent heat transfer & conserve energy.

Benefits of Blue:

- Reduced energy costs
- Consistent high quality parts
- Faster start-up times
- Lower overall maintenance
- Excellent mechanical, chemical & electrical properties
- 1/16" shorter on all sides to prevent damage during mold handling



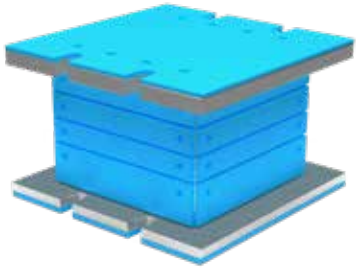
Injection Mold Application Example

Industry recognized **Blue Board**

ENERGY SAVINGS
¼ THICK = 27,508 BTU/HR
½ THICK = 31,004 BTU/HR

Applications:

- Injection Molds - top, bottom & rails
- Molding Machines - press platen
- Compression Molds - multiple faces



Compression Mold Application Example

Available styles:

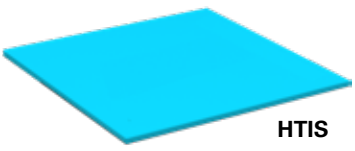
HTIS - Blank sheets - full or cut to standard mold base size
Ideal for all faces of **Compression Mold Bases** (special order cut to size or machine in-house)

HTISC* - Machined with the center hole only (use with 6541 and 6544 locating rings)

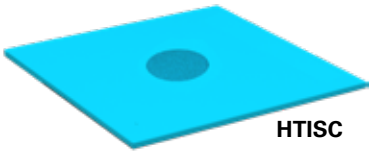
HTISM & HTISMB* - Pre-machined complete for the top or bottom of your mold

Custom - Cut to size and machined per customer supplied file

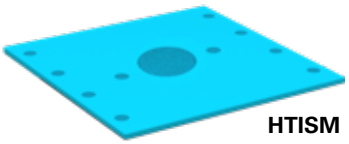
* Dimensions and locations based on the DME Classic Mold Base



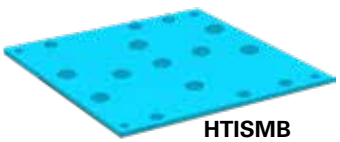
HTIS



HTISC



HTISM



HTISMB

General Data

*COMPRESSIVE STRENGTH	(D-695)	44,000 PSI AT 75°F / 31,700 PSI AT 300°F 30,600 PSI AT 400°F / 26,200 PSI AT 500°F
MODULUS OF ELASTICITY IN COMPRESSION	(D-229)	1.8 X 10^6 PSI AT 75°F / 2.9 X 10^6 PSI AT 425°F
MOISTURE ABSORPTION % @ 3/8" SANDED	(D-570)	0.25%
THERMAL CONDUCTIVITY K FACTOR), (BTU/HR/FT²/IN/°F)	(D-177)	1.85
IMPACT STRENGTH IZOD FT. LBS/IN. NOTCH	(D-256)	13
FLEXURAL STRENGTH, PSI	(D-790)	22,000
CO-EFFICIENT OF THERMAL EXPANSION IN/IN/O C	(D-696)	1.33 X 10-5
MAXIMUM RECOMMENDED SERVICE TEMPERATURE		550°F
THICKNESS TOLERANCE		+/- .010
PARALLELISM		+/- .002

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HELICAL GEAR STACL MOLD SYSTEMS

MOLD BASE SIZE L x W +/-.06	BLANK 1/4" THICK	BLANK 1/2" THICK	CENTER HOLE ONLY MACHINED 1/4" THICK	CENTER HOLE ONLY MACHINED 1/2" THICK	PRE-MACHINED COMPLETE TOP 1/4" THICK	PRE-MACHINED COMPLETE TOP 1/2" THICK	PRE-MACHINED COMPLETE BOTTOM 1/4" THICK	PRE-MACHINED COMPLETE BOTTOM 1/2" THICK
8x8	HTIS882	HTIS884	HTISC882	HTISC884	HTISM882	HTISM884	HTISMB882	HTISMB884
8x12	HTIS8122	HTIS8124	HTISC8122	HTISC8124	HTISM8122	HTISM8124	HTISMB8122	HTISMB8124
10x8	HTIS1082	HTIS1084	HTISC1082	HTISC1084	HTISM1082	HTISM1084	HTISMB1082	HTISMB1084
10x12	HTIS10122	HTIS10124	HTISC10122	HTISC10124	HTISM10122	HTISM10124	HTISMB10122	HTISMB10124
10x16	HTIS10162	HTIS10164	HTISC10162	HTISC10164	HTISM10162	HTISM10164	HTISMB10162	HTISMB10164
10x20	HTIS10202	HTIS10204	HTISC10202	HTISC10204	HTISM10202	HTISM10204	HTISMB10202	HTISMB10204
11x12	HTIS11122	HTIS11124	HTISC11122	HTISC11124	HTISM11122	HTISM11124	HTISMB11122	HTISMB11124
11x14	HTIS11142	HTIS11144	HTISC11142	HTISC11144	HTISM11142	HTISM11144	HTISMB11142	HTISMB11144
11x18	HTIS11182	HTIS11184	HTISC11182	HTISC11184	HTISM11182	HTISM11184	HTISMB11182	HTISMB11184
11 X 23	HTIS11232	HTIS11234	HTISC11232	HTISC11234	HTISM11232	HTISM11234	HTISMB11232	HTISMB11234
12 X 12	HTIS12122	HTIS12124	HTISC12122	HTISC12124	HTISM12122	HTISM12124	HTISMB12122	HTISMB12124
12 X 15	HTIS12152	HTIS12154	HTISC12152	HTISC12154	HTISM12152	HTISM12154	HTISMB12152	HTISMB12154
12 X 20	HTIS12202	HTIS12204	HTISC12202	HTISC12204	HTISM12202	HTISM12204	HTISMB12202	HTISMB12204
12 X 23	HTIS12232	HTIS12234	HTISC12232	HTISC12234	HTISM12232	HTISM12234	HTISM12232	HTISMB12234
13 X 15	HTIS13152	HTIS13154	HTISC13152	HTISC13154	HTISM13152	HTISM13154	HTISMB13152	HTISMB13154
13 X 18	HTIS13182	HTIS13184	HTISC13182	HTISC13184	HTISM13182	HTISM13184	HTISMB13182	HTISMB13184
13 X 21	HTIS13212	HTIS13214	HTISC13212	HTISC13214	HTISM13212	HTISM13214	HTISMB13212	HTISMB13214
13 X 23	HTIS13232	HTIS13234	HTISC13232	HTISC13234	HTISM13232	HTISM13234	HTISMB13232	HTISMB13234
13 X 26	HTIS13262	HTIS13264	HTISC13262	HTISC13264	HTISM13262	HTISM13264	HTISMB13262	HTISMB13264
13 X 29	HTIS13292	HTIS13294	HTISC13292	HTISC13294	HTISM13292	HTISM13294	HTISMB13292	HTISMB13294
15 X 18	HTIS15182	HTIS15184	HTISC15182	HTISC15184	HTISM15182	HTISM15184	HTISMB15182	HTISMB15184
15 X 24	HTIS15242	HTIS15244	HTISC15242	HTISC15244	HTISM15242	HTISM15244	HTISMB15242	HTISMB15244
15 X 29	HTIS15292	HTIS15294	HTISC15292	HTISC15294	HTISM15292	HTISM15294	HTISMB15292	HTISMB15294
16 X 16	HTIS16162	HTIS16164	HTISC16162	HTISC16164	HTISM16162	HTISM16164	HTISMB16162	HTISMB16164
16 X 20	HTIS16202	HTIS16204	HTISC16202	HTISC16204	HTISM16202	HTISM16204	HTISMB16202	HTISMB16204
16 X 23	HTIS16232	HTIS16234	HTISC16232	HTISC16234	HTISM16232	HTISM16234	HTISMB16232	HTISMB16234
16 X 26	HTIS16262	HTIS16264	HTISC16262	HTISC16264	HTISM16262	HTISM16264	HTISMB16262	HTISMB16264
16 X 29	HTIS16292	HTIS16294	HTISC16292	HTISC16294	HTISM16292	HTISM16294	HTISMB16292	HTISMB16294
16 X 35	HTIS16352	HTIS16354	HTISC16352	HTISC16354	HTISM16352	HTISM16354	HTISMB16352	HTISMB16354
17 X 24	HTIS17242	HTIS17244	HTISC17242	HTISC17244	HTISM17242	HTISM17244	HTISMB17242	HTISMB17244
17 X 29	HTIS17292	HTIS17294	HTISC17292	HTISC17294	HTISM17292	HTISM17294	HTISMB17292	HTISMB17294
18 X 18	HTIS18182	HTIS18184	HTISC18182	HTISC18184	HTISM18182	HTISM18184	HTISMB18182	HTISMB18184
18 X 20	HTIS18202	HTIS18204	HTISC18202	HTISC18204	HTISM18202	HTISM18204	HTISMB18202	HTISMB18204
18 X 23	HTIS18232	HTIS18234	HTISC18232	HTISC18234	HTISM18232	HTISM18234	HTISMB18232	HTISMB18234
18 X 26	HTIS18262	HTIS18264	HTISC18262	HTISC18264	HTISM18262	HTISM18264	HTISMB18262	HTISMB18264
18 X 29	HTIS18292	HTIS18294	HTISC18292	HTISC18294	HTISM18292	HTISM18294	HTISMB18292	HTISMB18294
18 X 35	HTIS18352	HTIS18354	HTISC18352	HTISC18354	HTISM18352	HTISM18354	HTISMB18352	HTISMB18354
19 X 24	HTIS19242	HTIS19244	HTISC19242	HTISC19244	HTISM19242	HTISM19244	HTISMB19242	HTISMB19244
19 X 29	HTIS19292	HTIS19294	HTISC19292	HTISC19294	HTISM19292	HTISM19294	HTISMB19292	HTISMB19294
19 X 35	HTIS19352	HTIS19354	HTISC19352	HTISC19354	HTISM19352	HTISM19354	HTISMB19352	HTISMB19354
24 X 24	HTIS24242	HTIS24244	HTISC24242	HTISC24244	HTISM24242	HTISM24244	HTISMB24242	HTISMB24244
24 X 29	HTIS24292	HTIS24294	HTISC24292	HTISC24294	HTISM24292	HTISM24294	HTISMB24292	HTISMB24294
24 X 35	HTIS24352	HTIS24354	HTISC24352	HTISC24354	HTISM24352	HTISM24354	HTISMB24352	HTISMB24354
18x36	HTIS18362	HTIS18364						
24x36	HTIS24362	HTIS24364						
36x36	HTIS36362	HTIS36364						
48x96	HTIS48962	HTIS48964						

Full size length x width (not 1/16" undersized)

Installation: Use DME 1/4-20 Flat Head Cap Screws FHCS1420-12 for ¼" sheets FHCS1420-34 for ½" sheets.

NOTES: Special sizes available on special order: Max. length = 96", Max. width = 48", Max thickness = 1", Min. thickness = 1/8
Special machining available upon request, send .dwg files to DME@DME.net for quotation.

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COMPLETE PRODUCT DETAILS

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