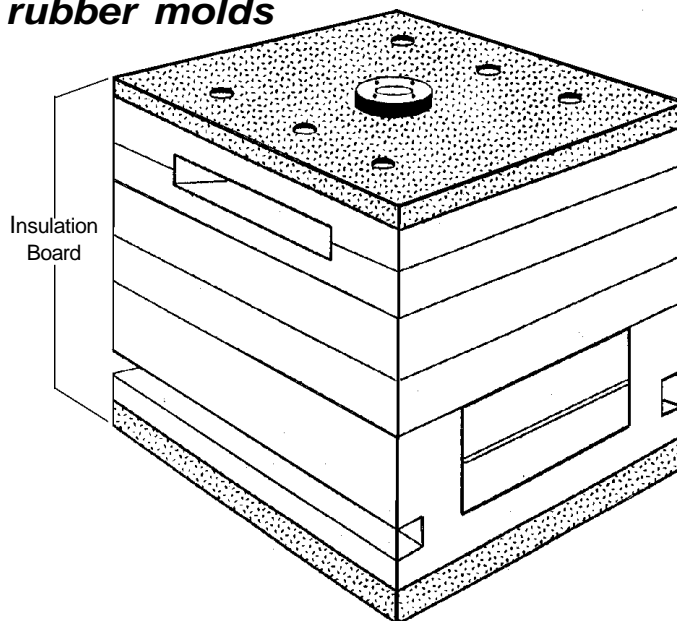


THERMAL INSULATION BOARD

for plastics & rubber molds

Use MOLDERS CHOICE thermal insulating board to insulate between the mold and the press platen to reduce the energy used in injection molding operations. Our board has a high compressive strength and is resistant to oil and water absorption. It is made of fiberglass-reinforced, mineral-filled sheet bonded with heat-resistant thermosetting resins.



TYPICAL PROPERTIES OF BOARD

Property	Rating	ASTM TEST Method
Maximum Service Temperature	550°F	
Thermal Conductivity	1.9 Btu/hr/ft ² /in °F	C-177
Compressive Strength		
@ 75° F	49,000 PSI	D-695
@ 302° F	27,000 PSI	D-695
@ 392° F	18,000 PSI	D-695
@ 425° F	17,500 PSI	D-695
@ 550° F	17,000 PSI	D-695
Compressive Modulus	1-8 (psi x 10 ⁶)	D-695
Flexural Strength	31,000 PSI	D-790
IZOD Impact Strength	8.0 Ft lb/in	D-256
Hardness	98 Rockwell M	D-785
Water Absorption	0.2%	D-570
Thermal Expansion	1.24 x 10 ⁻⁵	D-696
Across Surface	in/in/°F	
Resistance to lubricants and hydraulic fluids	No effect	
Density	123 lbs/cu ft	
Color	White	

- 5 Thicknesses available: 1/4", 3/8", 1/2", 3/4", and 1" (3/8", 1/2" and 1" in stock)
- Reduces energy consumption
- Oil and water resistant
- Asbestos free & toxic free
- High compressive-strength material
- Continuous use up to 550° F
- Easily machined with conventional metal-working equipment
- Recommended for use on plastics injection molds and rubber molds
- Promotes even temperatures within the mold

** Recommended for thermal barrier applications where operating temperatures do not exceed 550° F*



PART#	THICKNESS	SIZE	PRICES
TI381212	.375 ±.002	12" x 12"	Call for Pricing
TI381218	.375 ±.002	12" x 18"	Call for Pricing
TI051212	.500 ±.002	12" x 12"	Call for Pricing
TI051218	.500 ±.002	12" x 18"	Call for Pricing
TI101212	1.000 ±.002	12" x 12"	Call for Pricing
TI101218	1.000 ±.002	12" x 18"	Call for Pricing

For boards "Cut to size" & sizes other than listed available - INQUIRE

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24 Hour Service - 7 Days a week
1-800-809-4623

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