

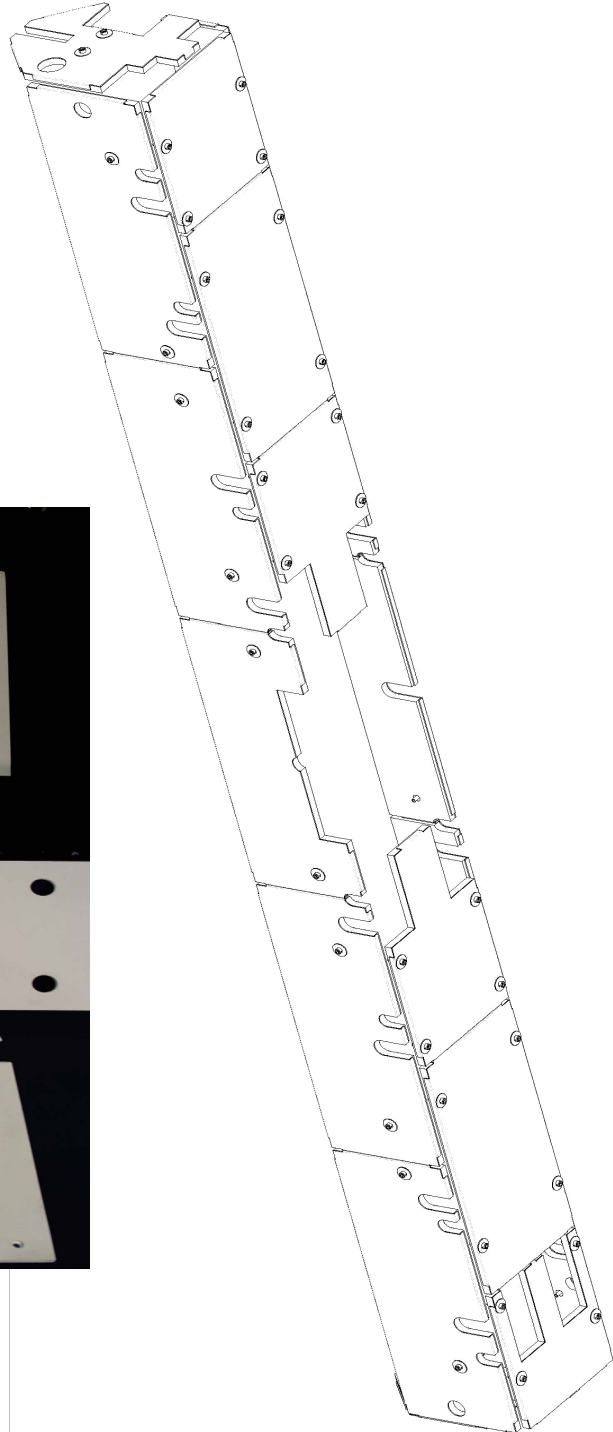
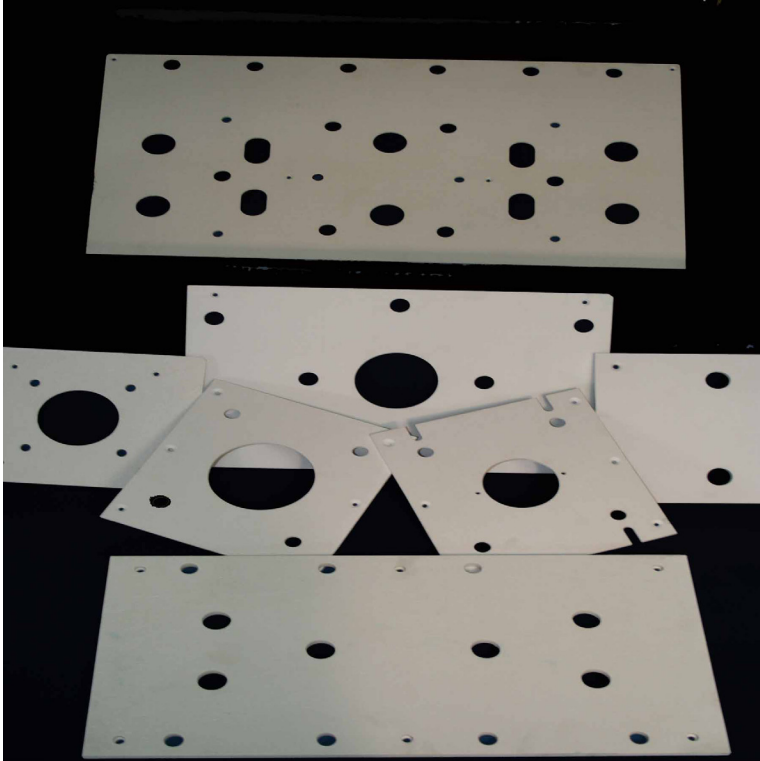
# Mold Insulation

## UNITHERM insulation systems

White Board Grade HT is a high compressive, heat resistant composition material. Finished to a close thickness tolerance, it is ideal for insulation between mold and platen or within mold itself. It is completely asbestos free and durable to withstand rough handling during installation.

### Benefits

- » High hot compressive strength
- » Low thermal conductivity
- » Oil and moisture resistant
- » Reduces heat loss
- » Helps control temperature
- » Faster mold startup
- » In-house design & machining



# Mold Insulation

General Information	Procedure	English Units	Typical Values	Metric Units	Typical Values
Part Number			3913		3913
Standard Color			White		White
Max Service Temperature		F	550	C	288
Flexural Strength	ASTM D 790	Psi	31,000	Mpa	214
<b>Compression Strength</b>					
75°F/24°C	ASTM D 695	Psi	49,000	Mpa	3.38
302°F/150°C	ASTM D 695	Psi	27,000	Mpa	186
392°F/200°C	ASTM D 695	Psi	18,000	Mpa	124
550°F/288°C	ASTM D 695	Psi	17,000	Mpa	117
Compression Modulus	ASTM D 695	Psi	18,000,000	Mpa	12,411
Izod Impact Strength (notched)	ASTM D 256	Ft./in.	8	J/cm	4.3
Electric Strength-Perpendicular S/T in Air	ASTM D 149	Vpm	50	kv/mm	2
UL Subject 94	UL 94	.094in	HB	2.4mm	HB
Water Absorption	ASTM D 570	% by wt	0.02	% by wt	0.02
Density	ASTM D 792	lbs/ft sq	123	g/cm sq	1.97
Thickness Tolerance		inches	0.002	mm	0.05
Thickness Across	ASTM D 696	in/in/c x 10-5	6.43	10/k	64
Surface Across	ASTM D 696	in/in/c x 10-5	1.24	10/k	12
Thermal Conductivity	ASTM C 177	BTU/HR/F1/in F	1.9	W/m K	0.27
<b>Thickness/Length/Width</b>	<b>Cat #</b>		<b>Net Weight</b>		
0.25 36" 18"	UTHT361825		12lbs		
0.25 36" 24"	UTHT362425		16lbs		
0.25 36" 36"	UTHT363625		24lbs		
0.50 36" 18"	UTHT361850		24lbs		
0.50 36" 24"	UTHT362450		32lbs		
0.50 36" 36"	UTHT363650		48lbs		