



INSULATION SYSTEMS

DON'T SEE BLUE ! GO WHITE MOLD INSULATION

White Board Grade HT High Temperature Mold Insulation

- . High Hot Compressive Strength
- . Low Thermal Conductivity
- . Oil and Moisture Resistant
- . Reduces Heat Loss
- . Helps Control Temperature
- . Faster Mold Startup

White Board Grade HT is a high compressive, heat resistant composition material. Finished to a close thickness tolerance, it is ideal for insulation between the mold and the press or within the mold itself. It is completely asbestos free and rugged to withstand rough handling during installation. It is easily cut with standard metal working equipment. Diamond cutting tools are recommended for long life.

| | Procedure | English Units | Typical Values | Metric Units | Typical Values |
|--|------------|----------------------------|----------------|--------------|----------------|
| General Information | | | | | |
| Part Number | | | 3913 | | 3913 |
| Standard Color | | | White | | White |
| Max Service Temp | | F | 550 | C | 288 |
| Mechanical Properties | | | | | |
| Flexural Strength | ASTM D 790 | Psi | 31,000 | Mpa | 214 |
| Compression Strength | | | | | |
| 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 |
| Electrical Properties | | | | | |
| Electric Strength-Perpendicular S/T in Air | ASTM D 149 | Vpm | 50 | kv/mm | 2 |
| Flame & Smoke Characteristics | | | | | |
| UL Subject 94 | UL 94 | .094 in | HB | 2.4mm | HB |
| Physical Properties | | | | | |
| 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 |
| Coefficient of Thermal Expansion | | | | | |
| 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 |
| Thickness / Length / Width | | | | | |
| | Cat # | Net Weight | | | |
| 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 | | | |

Customer to supply DFX cut file.

P U T T H E W R A P O N H E A T L O S S