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| Physical Properties for Tempered Premium Hardboard |
| Manufacturing Specifications |



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| For additional information contact Ampersand at 1-800-822-1939 |

**1/8" Tempered Premium Hardboard**

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| **Property** | **Minimum/Maximum** | | **Average Value** | |
| Thickness | 0.105”-0.135” | | 0.118” |
| Modulus of Rupture (MOR) | ≥5500 psi | | 6500 psi |
| Internal Bond (PTS) | ≥80 psi | | 120 psi |
| 24 hr. Thickness Increase (TI) | ≤35% | | 28% |
| Density (lbs./ft^3) | | 65 | |
| Moisture Content | | 3-5% | |
| Formaldehyde Emissions 1 | | <.03 ppm | |

**1/4" Tempered Premium Hardboard**

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| **Property** | **Minimum/Maximum** | | **Average Value** |
| Thickness | 0.205”-0.235” | | 0.218” |
| Modulus of Rupture (MOR) | ≥4300 psi | | 4500 psi |
| Internal Bond (PTS) | ≥70 psi | | 90 psi |
| 24 hr. Thickness Increase (TI) | ≤30% | | 20% |
| Density (lbs./ft^3) | | 54 | |
| Moisture Content | | 3-5% | |
| Formaldehyde Emissions 1 | | <.03 ppm | |

**Footnotes: 1:** NAUF (No Added Urea Formaldehyde) manufacturing process means products are exempt from/automatically comply with CARB regulations for indoor air quality.

Fabrication accuracy is generally stated as the length and width dimension of +0”, -1/16”.

All tests are conducted using guidelines in ASTM D 1037