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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