| Tolerances on Nominal Dimensions | | | | | | | |
|---|---|---|---|---|---|---|---|
| Specifications | Units | Thickness Range and Typical Values | | | | | |
| | | 3.2 mm | 6 mm | 9 mm | 12 mm | 16 mm | 18 mm |
| Thickness Tolerance | mm | +/-0.2 | +/-0.2 | +/-0.2 | +/-0.2 | +/-0.2 | +/-0.2 |
| Length and Width Tolerance | mm/m | +/-2.0 | +/-2.0 | +/-2.0 | +/-2.0 | +/-2.0 | +/-2.0 |
| Squareness (max Diagonal) | mm/m | ≤ 2.0 | ≤ 2.0 | ≤ 2.0 | ≤ 2.0 | ≤ 2.0 | ≤ 2.0 |

| Technical Data - Typical Values | | | | | | | |
|---|---|---|---|---|---|---|---|
| Specifications | Units | Thickness Range and Typical Values | | | | | |
| | | 3.2 mm | 6 mm | 9 mm | 12 mm | 16 mm | 18 mm |
| Density | $kg/m^3$ | 850 | 780 | 780 | 780 | 760 | 760 |
| Internal Bond | Mpa | 1.50 | 1.20 | 1.10 | 1.10 | 0.90 | 0.90 |
| Moisture Content | % | 7.5+/-1.5 | 7.5+/-1.5 | 7.5+/-1.5 | 7.5+/-1.5 | 7.5+/-1.5 | 7.5+/-1.5 |
| Modulus of Rupture | MPa | 45 | 58 | 56 | 54 | 48 | 44 |
| Modulus of Elasticity | MPa | 3800 | 4500 | 4000 | 3800 | 3600 | 3500 |
| Screw Holding Face | N | N/A | N/A | N/A | N/A | ≥500 | ≥500 |
| Screw Holding Edge | N | N/A | N/A | N/A | N/A | ≥500 | ≥500 |
| Thickness Swell (24 Hr $20^0C$) | % | 19.8 | 13.0 | 8.1 | 5.7 | 4.2 | 3.7 |
| Thickness Swell (2 hr $70^0C$) | % | 19.7 | < 25.0 | < 20.0 | < 16.0 | 13.2 | 11.5 |
| Thickness Swell (1 hr Boil) | | | | | | 12.9 | 11.1 |
| Wet Bending Strength (MoR-a) | Mpa | 18.5 | 9.5 | > 15.0 | 14.5 | >13.0 | 13.5 |
| Formaldehyde Emission | mg/L | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 |