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## MECHANICAL SPECIFICATIONS FOR CHIPBOARD ACCORDING TO EN-312
## Particle board for interior fitments (including furniture, no structural boards) for use in wet conditions P3

| CARACTERÍSTICAS CHARACTERISTIC | Unidades Units | Método de ensayo Test method | ESPESORES (mm) / THICKNESS (mm) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | > 3 a 4 | > 4 a 6 | > 6 a 13 | >13 a 20 | >20 a 25 | >25 a 32 | >32 a 40 | >40 |
| **- Resistencia a la flexión (Bending strength)** | N/mm² | EN 310 | 13 | 14 | 15 | 14 | 12 | 11 | 9 | 7,5 |
| **- Módulo de elasticidad en flexión (Modulus of Elasticity in Bending)** | N/mm² | EN 310 | 1800 | 1950 | 2050 | 1950 | 1850 | 1700 | 1550 | 1350 |
| **- Cohesión interna (internal bond)** | N/mm² | EN 319 | 0,5 | 0,5 | 0,45 | 0,45 | 0,4 | 0,35 | 0,30 | 0,25 |
| **- Hinchazón en grosor 24 h (Swelling in thickness, 24h)** | % | EN 317 | 23 | 20 | 17 | 14 | 13 | 13 | 12 | 12 |
| *Values for bending strength, internal bond and swelling thickness are referred to conditions of relative humidity of 65% and temperature of 20ºC. | | | | | | | | | | |

## HUMIDITY RESISTANCE REQUIREMENTS ACCORDING TO EN-312
## Particle boards (no structural boards) used in wet conditions P3

| CARACTERÍSTICAS CHARACTERISTIC | Unidades Units | Método de ensayo Test method | ESPESORES (mm) / THICKNESS (mm) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | > 3 a 4 | > 4 a 6 | > 6 a 13 | >13 a 20 | >20 a 25 | >25 a 32 | >32 a 40 | >40 |
| **OPCIÓN 1/OPTION 1** | | | | | | | | | | |
| - Cohesión interna después de ensayo cíclico (internal bond after cyclic test) | N/mm² | EN 321 | 0,18 | 0,18 | 0,15 | 0,13 | 0,12 | 0,10 | 0,09 | 0,08 |
| - Hinchazón en grosor después de ensayo cíclico (swelling in thickness after cyclic test) | % | EN 321 | 15 | 14 | 14 | 13 | 12 | 12 | 11 | 11 |
| **OPCIÓN 2/OPTION 2** | | | | | | | | | | |
| - Cohesión interna después de ensayo de cocción (internal bond after boiling water test) | N/mm² | EN 1087-1 | 0,09 | 0,09 | 0,09 | 0,08 | 0,07 | 0,07 | 0,06 | 0,06 |
| *Values for internal bond and swelling in thickness after treatment according to option 1 (before the test) are referred to conditions of relative humidity of 65% and temperature of 20ºC. **Values for internal bond and swelling in thickness after treatment according to option 2 (before the test) are referred to conditions of relative humidity of 65% and temperature of 20ºC. | | | | | | | | | | |