

Technical specification

Alveolit TA 0502

Description Excellent physical properties. Very good impact sound insulation properties. No odour. Ecologically and chemically neutral. Also available as flame retardant type.

| Properties | Unit | Value | Test method |
|--|-------------------|---------------|----------------|
| Thickness | Mm | 2.00 | ISO 1923 |
| Area weight | g/m ² | 370 | Internal |
| Apparent density | Kg/m ³ | 185.0 | ISO 845 |
| Tensile strength at 23 °C | | | |
| Lengthwise at break | kPa | 2200 | ISO 1926 |
| Crosswise at break | kPa | 1700 | ISO 1926 |
| Tensile Elongation at 23 °C | | | |
| Lengthwise | % | 340 | ISO 1926 |
| Crosswise | % | 290 | ISO 1926 |
| Compression Stress/Strain, S | | | |
| Deflection 25% | kPa | 460 | ISO – 3386 – 1 |
| Deflection 40% | kPa | 560 | ISO – 3386 – 1 |
| Deflection 50% | kPa | 750 | ISO – 3386 – 1 |
| Compression Set | | | |
| Deflection 25%, 1/2 h after discharge | % | 8 | ISO – 1856 – C |
| Deflection 25%, 24 h after discharge | % | 5.4 | ISO – 1856 – C |
| Thermal Stability | | | |
| Max. Temperature | °C | 100 | Internal |
| Dimensional change, lengthwise and crosswise | % | - 5 (max) | - |
| Flammability | | | |
| Burning speed | Mm/min | N/A (min 100) | ISO 3795 |
| Shore Hardness | | | |
| Shore A | 29 | 45 | ISO 868 – 1985 |
| Shore 0 | | 52 | ASTM D2240 |
| Shore 00 | | 75 | |
| Water Absorption | | | |
| Vol % water absorption | % | 1.0 (max) | ISO 2896 |

This specification is given by our best knowledge and might be submitted to changes.