

| | | | FR60 * | FR100 | FR150 |
|----------------------|---------------|-------------------|-------------------|--------------------|--------------------|
| Density | ISO 845 | kg/m ³ | 60 ⁽¹⁾ | 100 ⁽¹⁾ | 150 ⁽¹⁾ |
| Compression Strength | ASTM D 1621 b | MPa | 0,7 | 1,5 | 2,6 |
| Compression Modulus | ASTM D 1621 b | MPa | 50 | 105 | 180 |
| | ISO 844 | MPa | 30 | 70 | 105 |
| Shear Strength | ISO 1922 | MPa | 0,5 | 0,85 | 1,3 |
| Shear Modulus | ISO 1922 | MPa | 11 | 20 | 40 |
| Shear Strain | ISO 1922 | % | 25 | 15 | 8 |
| Tensile Strength | ASTM C 297 | MPa | 1,6 | 2,4 | 3,4 |
| Tensile Modulus | ASTM C 297 | MPa | 60 | 105 | 180 |
| Thermal Conductivity | ISO 12667 | W/mK | 0,034 | 0,034 | 0,041 |

Fire performance ⁽²⁾

| | | | | | |
|-------------------------------|----------------------|-------------------------------|-----------|-----------|---------|
| Railway Vehicles | Flammability | DIN 5510-2 | S4 | S4 | S4 |
| | Smoke density | DIN 5510-2 | SR2 | SR2 | SR2 |
| | Dripping | DIN 5510-2 | ST2 | ST2 | ST2 |
| | Toxicity (FED) | DIN 5510-2 | <0.1 | <0.1 | <0.1 |
| | Edge ignition | DIN 5510-2 / DIN53438-2 | K1 | K1 | K1 |
| Railway Vehicles Construction | Flammability | NF F16-101 | M1 | M1 | M1 |
| | Smoke density | NF F16-101 | F1 | F1 | F1 |
| Railway Vehicles | FST | CEN/TS 45545-2 ⁽³⁾ | conform | conform | conform |
| Aviation | Flammability | FAR 25.853/ABD0031 | fulfilled | fulfilled | tbd |
| | Smoke density | FAR 25.853/ABD0031 | fulfilled | fulfilled | tbd |
| | Toxicity | FAR 25.853/ABD0031 | fulfilled | fulfilled | tbd |
| Construction | Contribution to fire | EN 13823 | C | D | tbd |
| | Smoke production | EN 13823 | s3 | s2 | tbd |
| | Flaming droplets | EN 13823 | d0 | d0 | tbd |

| Tolerances | Length | Width | Diagonal | Thickness |
|-------------------------------------|---------------|--------------|--------------------|--|
| Dimensions (mm) ⁽⁴⁾ | 2.448 | 1.005 | tbc ⁽⁵⁾ | FR100+FR150: 5–150mm FR60: 10-150 mm |
| Tolerances (mm) at room temperature | +/- 5 | +/- 5 | ≤ 4 | ≤ 100mm: FR100+FR150 +/- 0,5 FR60: +/- 0,7 ≥ 100mm: +/- 1 |

⁽¹⁾ Tolerances FR100 + FR150: +/- 5 kg/m³; FR60: -5/+10 kg/m³
⁽²⁾ For detailed test results and certificates please contact us.

⁽³⁾ Final sandwich design to be tested.

⁽⁴⁾ Standard dimension. Further dimensions on special request.

⁽⁵⁾ Depending on length and width combination.

All values are average production figures.

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| | | | FR60 * | FR100 | FR150 |
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| | Smoke density | DIN 5510-2 | SR2 | SR2 | SR2 |
| | Dripping | DIN 5510-2 | ST2 | ST2 | ST2 |
| | Toxicity (FED) | DIN 5510-2 | <0.1 | <0.1 | <0.1 |
| | Edge ignition | DIN 5510-2 / DIN53438-2 | K1 | K1 | K1 |
| Railway Vehicles Construction | Flammability | NF F16-101 | M1 | M1 | M1 |
| | Smoke density | NF F16-101 | F1 | F1 | F1 |
| Railway Vehicles | FST | CEN/TS 45545-2 ⁽³⁾ | conform | conform | conform |
| Aviation | Flammability | FAR 25.853/ABD0031 | fulfilled | fulfilled | tbd |
| | Smoke density | FAR 25.853/ABD0031 | fulfilled | fulfilled | tbd |
| | Toxicity | FAR 25.853/ABD0031 | fulfilled | fulfilled | tbd |
| Construction (SBI testing) | Contribution to fire | EN 13823 | C | D | tbd |
| | Smoke production | EN 13823 | s3 | s2 | tbd |
| | Flaming droplets | EN 13823 | d0 | d0 | tbd |

| Tolerances | Length | Width | Diagonal | Thickness |
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