



## Technical data sheet

### ISOFORM HMPP WPC

#### Key benefits

Wood Plastic Composite  
100 % Recyclable

#### General application

Building Industry  
Automotive industry

|  | Test method                  | Unit              | Value             |
|--|------------------------------|-------------------|-------------------|
| <b>General properties</b>                |                              |                   |                   |
| Density                                  | DIN 53479                    | g/cm <sup>3</sup> | 1,06              |
| Filler content                           |                              | %                 | 40                |
| <b>Mechanical Properties</b>             |                              |                   |                   |
| Tensile modulus                          | ISO 527                      | MPa               | 3200              |
| Tensile strength                         | ISO 527                      | MPa               | 32                |
| Flexural strength                        | ISO 178                      | MPa               | 40                |
| Flexural modulus                         | ISO 178                      | MPa               | 3000              |
| Charpy notched impact strength at 23°C   | ISO 179                      | kJ/m <sup>2</sup> | -                 |
| Charpy unnotched impact strength at 23°C | ISO 179                      | kJ/m <sup>2</sup> | >4                |
| Hardness                                 | ISO 868                      | Shore D           | 78                |
| <b>Thermal properties</b>                |                              |                   |                   |
| Melting temperature                      | ISO 3146                     | °C                | 163               |
| Vicat softening temperature - A50        | ISO 306/A50                  | °C                | -                 |
| Vicat softening temperature - B50        | ISO 306/B50                  | °C                | -                 |
| Heat deflection temperature B (0.45 MPa) | ISO 75B                      | °C                | -                 |
| Heat deflection temperature A (1.80 MPa) | ISO 75A                      | °C                | -                 |
| Service temperature (intermittent)       |                              | °C                | 150               |
| Service temperature (long term)          |                              | °C                | from 0 to 100     |
| <b>Other properties</b>                  |                              |                   |                   |
| Surface resistivity                      | LabeOHM                      | Ω                 | >10 <sup>12</sup> |
| Water absorption                         | 24h/RT                       | %                 | <1,8              |
| <b>Flammability</b>                      |                              |                   |                   |
| Mould shrinkage                          | Compared to a reference form | %                 | Longitudinal:     |
|  |                              |                   | Transverse:       |

The information data contained herein is believed to be reliable to the best of our knowledge but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or the results to be obtained therefrom, and it is the end user responsibility to make its own determination of the product suitability for the intended applications.