

# Technical Data Sheet

**KIBO panels made of Polypropylene, electrically conductive  
(fully conductive or dissipative)**

## Properties

- Good chemical resistance
- Easy to process by cutting and welding, and easy to clean
- Impact resistant and tear-proof
- Sound absorbing and thermally insulating
- Environmentally friendly because the base polypropylene is recyclable

## Technical data

- |                                 |   |
|---------------------------------|---|
| ▪ Temperature range             | -20° to +80° C  |
| ▪ HDT B (0,45 MPA)              | +95° C  |
| ▪ Vicat softening point A (10N) | +150° C   |
| ▪ Density                       | 0.9 g/cm <sup>3</sup>   |
| ▪ Flexural modulus              | 1400 MPa  |
| ▪ Elongation at break           | 70 %  |
| ▪ Impact strength (notched)     | +23° C    45 KJ/m <sup>2</sup><br>0° C        10 KJ/m <sup>2</sup><br>-20° C      6 KJ/m <sup>2</sup> |
| ▪ Electrical surface resistance | 10 <sup>3</sup> to 10 <sup>5</sup> Ω  |

## Chemical resistance

Polypropylene is generally resistant against most chemicals at temperatures ≤ 50° C proof. Some solvents can cause swelling. Also some substances can cause irreversible discoloration. In case of doubt, tests should be carried out by user.

## Tolerances

- |                                  |                          |
|----------------------------------|--------------------------|
| Length (from current production) | ± 0.3 % (± 3 mm minimum) |
| Width (from current production)  | ± 0.3 % (± 3 mm minimum) |
| Tolerance sheet thickness        | ± 5 %                    |
| Thickness over the surface       | ± 0.1 mm                 |
| Thermal expansion                | 1-2 mm/m / 10° C         |
| Weight tolerance                 | -3 to +5 %               |
| Perpendicularity                 | ± 0.3 % (± 3 mm minimum) |