# Technical Data Sheet

klöckner pentaplast

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**Product name:** **Pentaclad (TM) Isogenopak®**
*BF-K201/50-04/2080-281__*

**Description:**
- Insulation Jacketing with permanent curl
- high impact resistance
- does not split during riveting
- excellent antistatic
- high stiffness

- Equivalent to Isogenopak 2000 - fire classification klass PII

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|---|---|---|
| **Quality segment:** | BF | - BUILDING INDUSTRY |
| **Type:** | K201/50 | - PVC Polyvinylchloride |
| **Colour:** | 04/2080 | - White opaque |
| **Surface:** | 281__ | - matt/smooth |

| *Properties* | *Standard* | *Unit* | *Values* | |
|---|---|---|---|---|
| Thickness | DIN 53370 / ISO 4593 | µm | 350 | |
| Tolerance of Thickness | DIN 53370 / ISO 4593 | % | -7 ... 7 | 350 µm |
| Density | DIN EN ISO 1183-2 | g/cm³ | 1,42 ... 1,46 | |
| Impact strength, min. | DIN EN ISO 8256 measured lengthwise | kJ/m² | 400 | |
| Tensile strength, min. | DIN EN ISO 527 test speed V 50 mm/min, measured lengthwise (depends on thickness) | MPa | 35 | |
| Modulus of elasticity | DIN EN ISO 527 | MPa | 1800 | |
| Water Vapour Resistance µ | DIN 52615 . | | 60000 | |
| Linear heat expansion coefficient | Leitz Dilatometer . | 1/K | 1,5 E-4 | |
| Thermal Conductivity | DIN 52612 at 20 ℃ | W/mK | 0,16 | |

**Regulatory:**
The product corresponds to:
- Packaging requirements for heavy metals
- Supplementary confirmations to the above-named points
  can be issued on request.

**Storage conditions:**
- Ideal storage conditions between 10 - 30℃ (50 - 86°F)
- Ideal RH 40 - 70%
- Should not be stored in direct sunlight and avoid major thermal
  fluctuation
- Store in original packaging
- Before working up the films should be conditioned a minimum
  of 24 hours room temperature (15 - 30℃)
- recommended use of the material within one year of production date

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