# Product Datasheet – Profile KH 8

## Article

| Art.-No. | Article | Dimensions | Colour |
|---|---|---|---|
| 0.0.626.86 | Profile KH 8 40x40 | 1 piece à 6000 mm | anthracite similar to RAL 9005 |
| 0.0.641.61 | Profile KH 8 40x40 | Cutting max. 6000 mm | anthracite similar to RAL 9005 |
| 0.0.637.47 | Profile KH 8 80x40 | 1 piece à 6000 mm | anthracite similar to RAL 9005 |
| 0.0.655.30 | Profile KH 8 80x40 | Cutting max. 6000 mm | anthracite similar to RAL 9005 |

## General Properties

| Properties | Unit | Value | Standard |
|---|---|---|---|
| Material | - | Wood / PP | - |
| Specific gravity | $g/cm^3$ | 1,17 | DIN 1306 |
| Water absorption, 23 °C/50 % RH | % | 1,17 | DIN EN ISO 62 |

## Mechanical Properties

| Properties | Unit | Value | Standard |
|---|---|---|---|
| Bending modulus of elasticity | $N/mm^2$ | 6.200 | DIN EN ISO 178 [2)] |
| Bending strength | $N/mm^2$ | 80 | DIN EN ISO 178 [2)] |
| Tensile strength | $N/mm^2$ | 40 | DIN EN ISO 527 [1)] |
| Tensile expansion | % | 1,59 | DIN EN ISO 527 [1)] |

1) Average values of the original tests v = 1 mm/min.

2) Average values of the original tests v = 2 mm/min.

## Thermal Properties

| Properties | Unit | Value | Standard |
|---|---|---|---|
| Linear expansion | $K^{-1}$ | $16\text{-}31x10^{-6}$ | DIN 51045 - 1 |
| Width expansion | $K^{-1}$ | $20\text{-}70x10^{-6}$ | DIN 51045 - 1 |
| Thermal conductivity | W/mK | 0,349 | DIN EN ISO 22007 - 1 |
| Vicat softening temperature | °C | 85 | ISO 306 |
| Energy content/calorific value | kWh/kg | 6,3 | DIN 51900 |

item Industrietechnik GmbH
Friedenstraße 107-109
42699 Solingen
Germany

Phone +49 212 6580 0
info@item24.com
item24.com

Quality-management
DIN EN ISO 9001:2015
Version: 04/2024

# Product Datasheet – Profile 8 KH

## Electrical Properties*

| Properties | Unit | Value | Standard |
|---|---|---|---|
| Permittivity εr | - | 4,4 | IEC/DIN EN 61340-5-1 |
| Dissipation factor tan measured at 10 kHz | - | $126x10^{-4}$ | IEC 60250 |
| Surface resistance | Ω | $\geq 10^{11}$ | IEC/DIN EN 60093 |
| Contact resistance | Ω*cm | $\geq 10^{11}$ | IEC/DIN EN 60093 |
| Comparative figure creep formation | - | CTI 600 < 1 | DIN EN 60112 |

* Typical resistance values at corresponding ambient temperature (measuring voltage: 100 V =)
Depending on functionality and geometric dimensions, not all measured values may be relevant.
The relative humidity during the tests of all products was 10 - 65 % due to the local conditions.
Ambient temperature 23°C ± 2°C

## Flame Characteristics

| Properties | Unit | Value | Standard |
|---|---|---|---|
| Flame Characteristics | Material class | B2 | DIN 4102-1 |

## Handling and Storage

| Properties | |
|---|---|
| Handling | The product can be machined with standard machines and tools. |
| Storage Recommendation | Horizontal, dry, protected from the weather. |

## Disposal

In principle, the country-specific laws and regulations concerning disposal must be observed.
Thermal utilisation is preferable to landfill disposal. Disposal of the ash resulting from thermal utilisation at regulated commercial waste disposal sites is unproblematic.

## Cleaning

Clean surface with warm water and soft cloth or soft sponge. For heavier soiling, additionally use a non-abrasive soap solution. Carefully test the cleaning agent on an inconspicuous area before use. Finally, rinse with clean warm water and dry with absorbent cloth.

item Industrietechnik GmbH
Friedenstraße 107-109
42699 Solingen
Germany

Phone +49 212 6580 0
info@item24.com
item24.com

Quality-management
DIN EN ISO 9001:2015
Version: 04/2024

## Desinfection

The country-specific laws and regulations relating to disinfection must always be observed.
Ethanol, propanol and isopropyl alcohol (also known as isopropanol) are alcohols and have a disinfectant effect. They damage the envelope of bacteria, fungi and viruses and thus kill them. Isopropanol is a highly concentrated alcohol and is often used as a substitute for ethanol. It has a wide range of applications, but care should be taken when using it. Isopropanol, also known as isopropyl alcohol and 2-propanol, is a secondary alcohol.
The duration of contact should be limited to the minimum necessary. Test in an inconspicuous place before use.

## REACH, RoHS

| Properties | |
|---|---|
| Compliance with the regulation (EC) No. 1907/2006 (REACH) | conform |
| Compliance with the regulation 2011/65/EU (RoHS) incl. EU 2015/863 | conform |
| Silicone | Silicone is not relevant for manufacturing, but minimal contact with lubricants or cleaning agents containing silicone cannot be completely ruled out during the handling and production of our products. |



item Industrietechnik GmbH
Friedenstraße 107-109
42699 Solingen
Germany

Phone +49 212 6580 0
info@item24.com
item24.com

Quality-management
DIN EN ISO 9001:2015
Version: 04/2024