

PROMAGLAF® HTK Blankets and bulk

PROMAGLAF® HTK are earth-alkali silicate fibres (high temperature glass fibres) and do not belong to the group of ceramic fibres. PROMAGLAF® HTK has reduced biological resistance and is not subject to any classification.



ADVANTAGES AND PROPERTIES

- Harmless in terms of working hygiene, not classified
- Reduced biological resistance
- High thermal resistance
- High thermal shock resistance
- Low thermal conductivity and heat storage
- Numerous delivery forms

WORKING AND PROCESSING

PROMAGLAF® HTK can be cut and processed with conventional tools, e. g. knives and woodworking machines.

AREAS OF APPLICATION

- Refractory construction
- Household appliances industry for boilers, hearths, furnaces, etc.
- Non-ferrous metallurgy, especially for aluminium
- Ceramic industry
- Petrochemical industry





TECHNICAL DATA

| Product name | | PROMAGLAF® HTK 1260 blankets | | | |
|--|--------------------------------|------------------------------|-----------------------|-----------------------|------|
| Colour | | white | | | |
| Classification temperature | | 1260 °C | | | |
| Melting point | | > 1400 °C | | | |
| Bulk density ρ | | 96-128-160 kg/m ³ | | | |
| Shrinkage at temperature after 24 u (ENV 1084-7) | 900°C | 0,5 | | | % |
| | 1100°C | 1,0 | | | % |
| | 1260°C | < 2,5 | | | % |
| Specific heat capacity c | | 1,13 kJ/kgK | | | |
| Thermal conductivity λ (ASTM C.201) | | 96 kg/m ³ | 128 kg/m ³ | 160 kg/m ³ | |
| | 200°C | 0,07 | 0,06 | 0,06 | W/mK |
| | 400°C | 0,11 | 0,10 | 0,09 | W/mK |
| | 600°C | 0,17 | 0,15 | 0,13 | W/mK |
| | 800°C | 0,25 | 0,20 | 0,18 | W/mK |
| | 1000°C | 0,32 | 0,27 | 0,25 | W/mK |
| Chemical analysis | SiO ₂ | 65-80 | | | % |
| | ZrO ₂ | < 2 | | | % |
| | MgO + CaO | 22-40 | | | % |
| | Al ₂ O ₃ | < 1 | | | % |

STANDARD SIZES

Promat contains the right to change without notice the properties and values of all products. The given technical values are obtained in specific conditions and are average and indicative. In case of any doubt if these properties and/or values are matching the application requirements, please contact Promat for advice.



Dimensions Rolls/pallet

PROMAGLAF® HTK 1260 – 96 kg/m³

| | |
|-----------------------|----|
| 610 x 14640 x 12,7 mm | 16 |
| 610 x 9630 x 19 mm | 16 |
| 610 x 7320 x 25,4 mm | 16 |
| 610 x 4890 x 38 mm | 16 |
| 610 x 3660 x 50,8 mm | 16 |

PROMAGLAF® HTK 1260 – 128 kg/m³

| | |
|-----------------------|----|
| 610 x 14640 x 12,7 mm | 16 |
| 610 x 9630 x 19 mm | 16 |
| 610 x 7320 x 25,4 mm | 16 |
| 610 x 4890 x 38 mm | 16 |
| 610 x 3660 x 50,8 mm | 16 |

PROMAGLAF® HTK BULK

| Verpakking | bags/pallet |
|------------|-------------|
| 15 kg/zak | 16 |