AEROFLEX® AEROPRO®

The insulation covered with a visually pleasant protection mesh for the use in particularly rough conditions.
Ideal for use outside.

AEROFLEX®-insulation (EPDM)

- Light-weight, flexible closed cell synthetic rubber
- PVC- and CFC-free (according to legal requirements)
- Reaction to fire: Euroclass E according EN 13501-1
- Non-corrosiveness to copper and corrugated stainless steel pipes (according to DIN 1988, Part 7)
- Dimensions and tolerances following EN 14304
- Permanent thermal stability within a temperature range of –50 °C* up to +150 °C, short-term up to +175 °C (stagnation temperature of the collectors)
- Suitable for refrigeration systems
- Very good ozone resistance, UV resistant
  *AEROFLEX® remains flexible up to -50 °C, but can be used easily at temperatures to -200 °C.

Surface protection

- Polyester wire mesh
- UV resistant
- Weather resistant
- Gnaw resistant

Water vapour diffusion resistance:

- μ ≥ 3.000 according EN 13469

Accessories

Tape and adhesives

Your advantages:

- Excellent thermal insulation value
  λ 40 °C= 0,040 W/mK
- Gnaw resistant protection mesh
- UV resistant
- Non-corrosiveness to copper and corrugated stainless steel pipes

AEROPRO® Technical data

Characteristics	Values	Testing Methods
Minimum service temperature of the insulation	-50°C	EN 14707
Recommended max. temperature for permanent thermal stability of the insulation	+150°C	
Recommended temperature for short-term thermal stability of the insulation	+175°C	
Maximum service temperature of the insulation	+180°C	EN 14707
Thermal conductivity at 0 °C	0,036 W/mK	EN ISO 8497
Thermal conductivity at +10 °C	0,037 W/mK	EN ISO 8497
Thermal conductivity at +40 °C	0,040 W/mK	EN ISO 8497
Water vapour diffusion resistance at 23 °C	μ ≥ 3000	EN 13469
Reaction to fire of tubes	E_L	EN 13501-1, ISO 11925-2
Apparent density	40 - 75 kg/m³	EN 13470
Dimensions and tolerances	according to EN 14304, table 1	EN 13467
UV resistance	good	ASTM G 154
Ozone resistance	excellent	ASTM D 1171