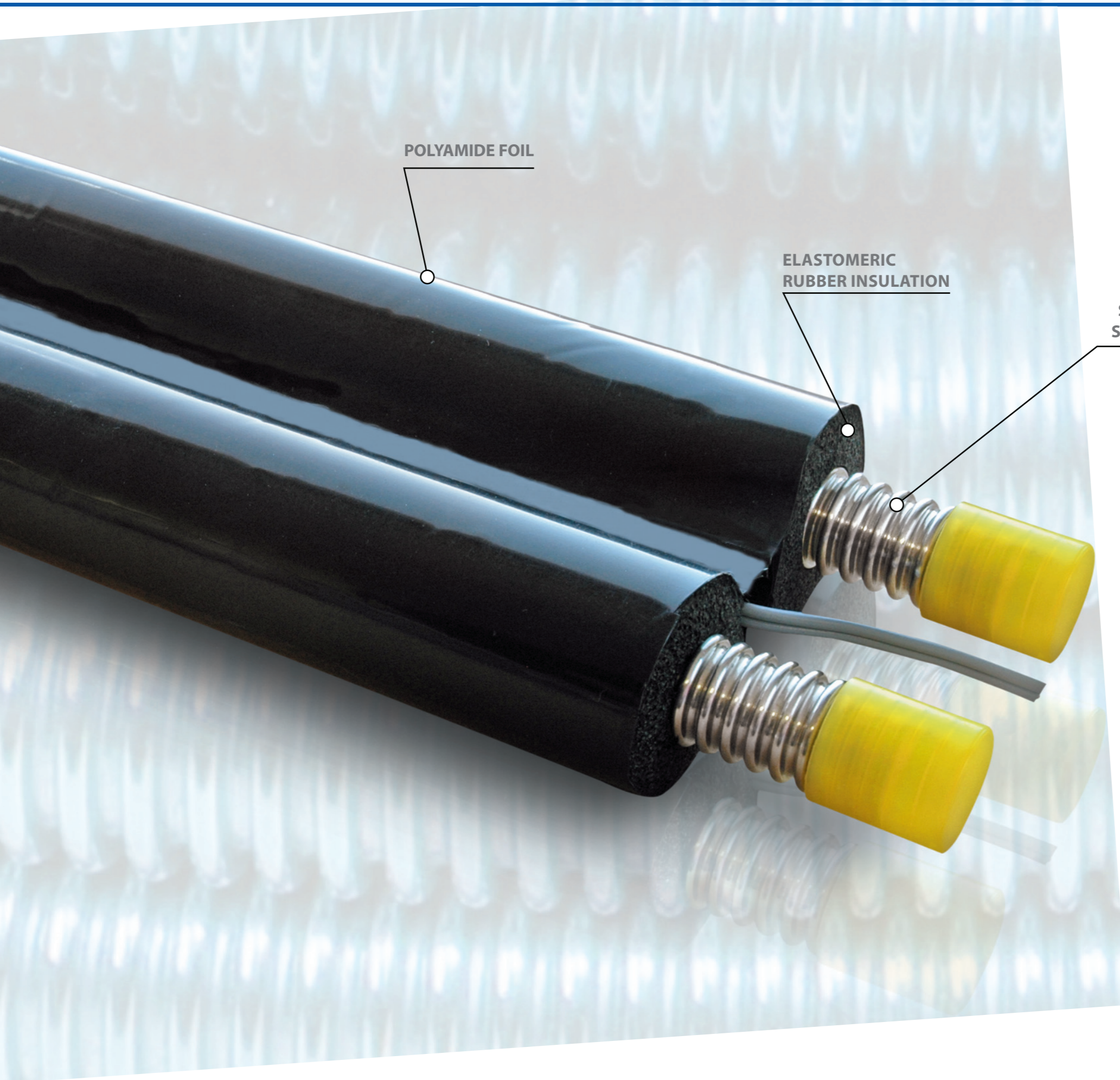


SOLAR HOSE SPECIFICATIONS



POLYAMIDE FOIL

ELASTOMERIC
RUBBER INSULATION

STAINLESS
STEEL HOSE

NON-BRAIDED INDUSTRIAL METAL HOSES

APPLICATION AREAS

Heating, Air Conditioning and ventilization applications
 Chemical and petrochemical plants
 Oil and gas processing
 Ship building and drilling
 Food processing

GENERAL HOSE FEATURES

Hose Type : Open pitch corrugated metal hose. acc.to DIN EN ISO 10380

Hose Material : Stainless Steel AISI 316L
 AISI 304, 321 also available upon request

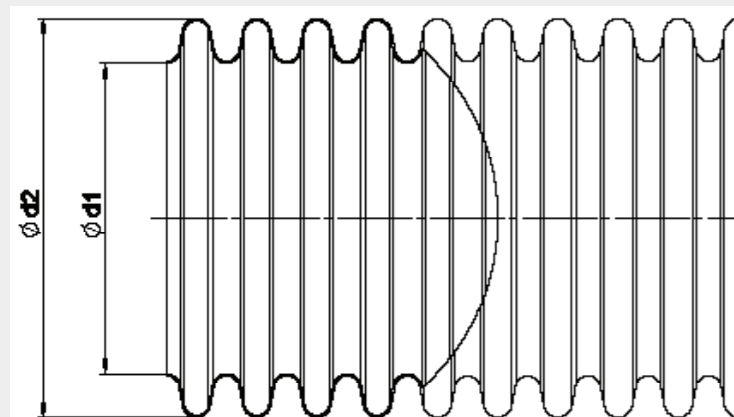
Temperature Range : Min. -270 °C up to max. 600 °C

CORRUGATION SPECIFICATIONS



Open Pitch Corrugated Flexible Metal Hose (AGA)

OPEN PITCH CORRUGATED FLEXIBLE METAL HOSE (AGA)



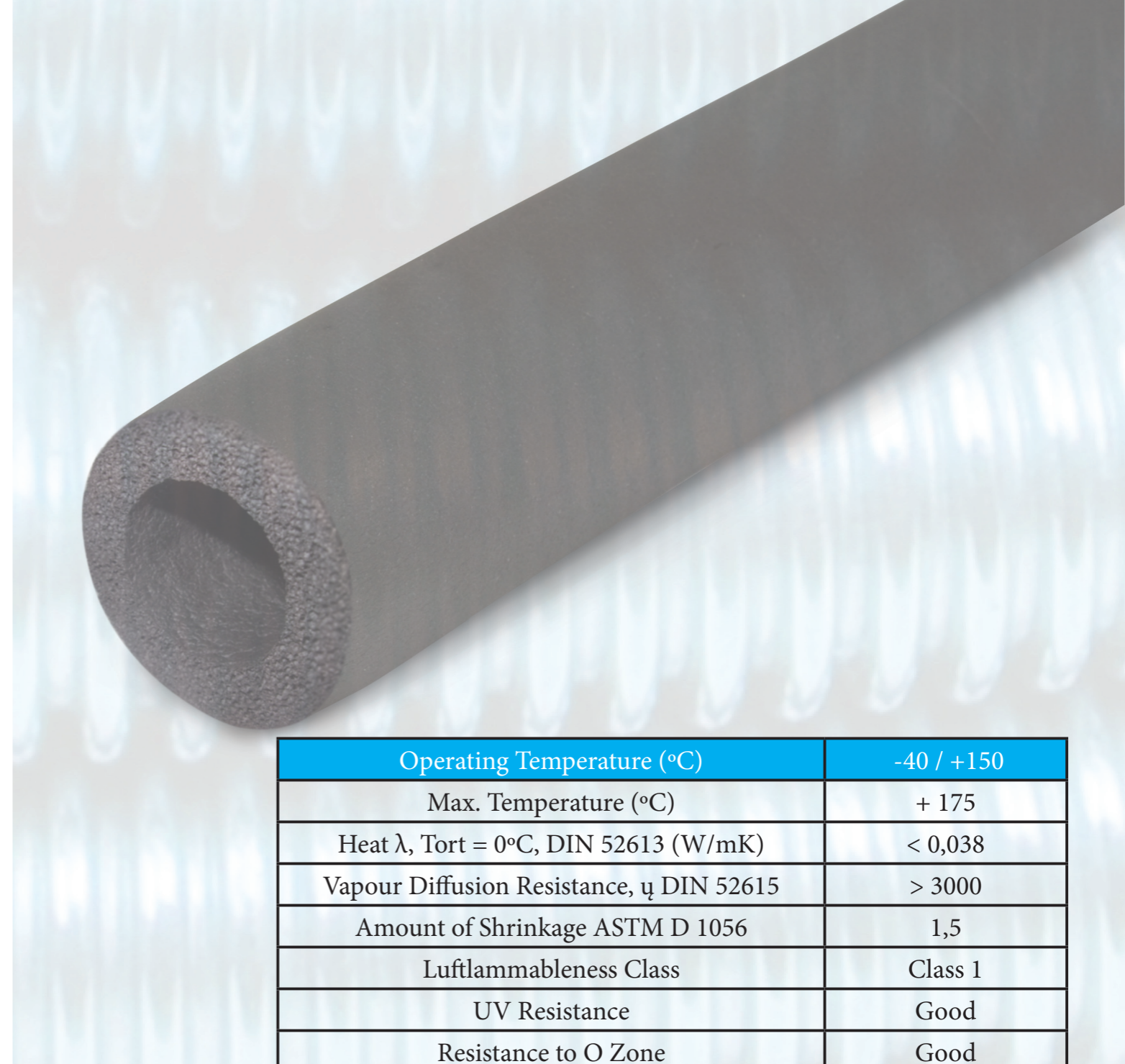
| DN | Ød1 Internal Diameter(mm) | Ød2 External Diameter(mm) | Tolerance ± mm | Wall Thickness (mm) | Bending Radius | | PN bar | Corrugation Type | Surface Area |
|----|---------------------------|---------------------------|----------------|---------------------|----------------|---------|--------|------------------|---------------------|
| | | | | | rmin (mm) | rn (mm) | | | |
| 12 | 11,85 | 15,85 | 0,2 | 0,15 | 20 | 140 | 0-10 | Open Pitch | 0,070m ² |
| 16 | 16,5 | 21,35 | 0,2 | 0,18 | 25 | 195 | | Open Pitch | 0,091m ² |
| 20 | 21,0 | 26,6 | 0,2 | 0,18 | 30 | 225 | | Open Pitch | 0,116m ² |
| 25 | 25,3 | 31,7 | 0,3 | 0,2 | 35 | 260 | 0-8 | Open Pitch | 0,151m ² |
| 32 | 32,4 | 39,9 | 0,3 | 0,3 | 40 | 300 | 0-6 | Open Pitch | 0,197m ² |

INSULATION

APPLICATION AREAS

- Hot & Cold Water Systems
- Cooling Systems
- Heating Systems
- Multisplit & Split Plants

| ID (mm) | COPPER (inch) | S.STEEL (inch) | WALL THICKNESS | | | |
|---------|------------------|-------------------|----------------|------|-------|-------|
| | | | 6 mm | 9 mm | 13 mm | 19 mm |
| 6 | 1/4" | | + | + | + | |
| 8 | 5/16" | | + | + | + | |
| 10 | 3/8" | 1/8" | + | + | + | + |
| 12 | 1/2" | | + | + | + | + |
| 15/16 | 5/8" | 1/4" | + | + | + | + |
| 18/19 | 3/4" | 3/8" | + | + | + | + |
| 20 | | | + | + | + | + |
| 22 | 7/8" | 1/2" | + | + | + | + |
| 25 | 1" | | + | + | + | + |
| 28 | 1 1/8" | 3/4" | + | + | + | + |
| 35 | 1 3/8" | 1" | + | + | + | + |
| 42 | 1 5/8" | 1 1/4" | + | + | + | + |
| 48 | | 1 1/2" | | + | + | + |
| 54 | 2 1/8" | | | + | + | + |
| 60 | 2 3/8" | 2" | | + | + | + |
| 64 | 2 1/2" | | | + | + | + |
| 70 | 2 5/8" | | | + | + | + |
| 76 | 3" | 2 1/2" | | + | + | + |
| 80 | 3 1/8" | | | + | + | + |
| 89 | 3 1/2" | 3" | | + | + | + |
| 102 | | 3 1/2" | | + | + | + |
| 108 | 4 1/4" | | | + | + | + |
| 114 | 4 1/2" | 4" | | + | + | + |



| | |
|--|------------|
| Operating Temperature (°C) | -40 / +150 |
| Max. Temperature (°C) | + 175 |
| Heat λ, Tort = 0°C, DIN 52613 (W/mK) | < 0,038 |
| Vapour Diffusion Resistance, μ DIN 52615 | > 3000 |
| Amount of Shrinkage ASTM D 1056 | 1,5 |
| Luftflammableness Class | Class 1 |
| UV Resistance | Good |
| Resistance to O Zone | Good |
| Grease Resistance | Good |
| Weather Resistance | Good |
| Flexibility | V. Good |
| Smell | Negligible |
| Fungus | No |

PROTECTIVE FOIL

Colour

Standard braiding colour is black. Different coloured may be produced on request.

Operating Temperature

55 °C – 180 °C (heat stabilized) Melting Point is 255 °C

Features

- High flexibility
- Ultra lightness
- High rupture strength
- Non-flammable
- Easy assemblage
- Wet-proof
- PVC-free design
- Highly UV and ozone resistant foil wrap

Applications

- High mechanical protection required applications
- Cable protection
- Machine and robot industries
- Insulation surface protection

