

DATASHEET

rev. 00 - 29/11/2022

316l stainless steel flexible hose coupled for solar thermal systems

29100010 - 29100020 - 29100030

29100040 - 29100050 - 29100060

29100070 - 29100080 - 29100090



STEEL TUBE SPECIFICATIONS:

- Alloy AISI 316 L (EN X2 CRNIMO 17-12-2)
- Max working pressure 10 bar (Ø 20 and 25), 16 bar (Ø 16)

INSULATING TECHNICAL SPECIFICATIONS:

- Thermal conductivity at 20°C =0.040 W/(m·K)
- Water vapour diffusion $\mu \geq 3000$
- Product does not contain CFCs, HCFCs, or formaldehyde
- Corrosion issues: chlorides <0.05%, nitrites <0.0001%
- Ammonia <0.02% (DIN 1988/7)
- Max. operating temperature +150°
- Reaction to fire: brandkennziffer 5-3 (CH)
- B2 DIN 4102 (D)
- BS 476 PART 7 (CLASS 1 – UK)

PROTECTIVE LAMINATE TECHNICAL SPECIFICATIONS:

- 300 g/m² smooth PE sheet (thickness approx. 300 μ)
- Melting temperature 114°C
- Softening temperature 93°C
- Embrittlement temperature -75°C
- Breaking load 25 MPA
- Elongation at break 300%

ELECTRICAL CABLE TECHNICAL SPECIFICATIONS:

- Operating temperature -60°C + 200°C
- Rated voltage 500 V
- Copper class 5 IEC 228

TECHNICAL DATA

CODE	MODEL	NOM. DIMENSIONS STEEL TUBE (DN)	Ø EXTERNAL STEEL PIPE (mm)	STEEL PIPE THICKNESS (mm)	ROLL LENGTH [m]
29100010	DN 16 - 10 m	16 + 16	21,4	0,18	10
29100020	DN 16 - 15 m	16 + 16	21,4	0,18	15
29100030	DN 16 - 20 m	16 + 16	21,4	0,18	20
29100040	DN 16 - 25 m	16 + 16	21,4	0,18	25
29100050	DN 16 - 50 m	16 + 16	21,4	0,18	50
29100060	DN 20 - 10 m	20 + 20	26,7	0,20	10
29100070	DN 20 - 15 m	20 + 20	26,7	0,20	15
29100080	DN 20 - 20 m	20 + 20	26,7	0,20	20
29100090	DN 20 - 25 m	20 + 20	26,7	0,20	25

ITEMS

CODE	DESCRIPTION
29100010	FLEXIBLE STAINLESS STEEL PIPES FOR SOLAR PANEL INSTALLATIONS
29100020	FLEXIBLE STAINLESS STEEL PIPES FOR SOLAR PANEL INSTALLATIONS
29100030	FLEXIBLE STAINLESS STEEL PIPES FOR SOLAR PANEL INSTALLATIONS
29100040	FLEXIBLE STAINLESS STEEL PIPES FOR SOLAR PANEL INSTALLATIONS
29100050	FLEXIBLE STAINLESS STEEL PIPES FOR SOLAR PANEL INSTALLATIONS
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