TALOS ACR LINESETS

Mechanical Properties

Temper	EN 1057 Classification	Min. Tensile Strength, R_m (MPa)	Min. Elongation, A(%)
Soft	R-220	220	40

Standard Dimensions according to EN 12735-1

Copper tube external diameter	Inch	3/16	1/4	5/6	3/8	1/2	5/8	3/4	7/8
	mm	4,76	6,35	7,94	9,52	12,70	15,87	19,05	22,22
Copper tube wall thickness	mm	0,80	0,80	0,80	0,80	0,80	1,00	1,00	1,00
Overall external diameter with 9mm thick insulation	mm	22,76	24,35	25,94	27,52	30,70	33,87	37,05	40,23
Working pressure	bar	216	157	123	101	75	72	58	50

Maximum Working Pressure calculation according to EN 14276 Standard which complies with the European Directive PED 2014/68/EU (Pressure Equipment Directive)

Standard Pair Dimensions (coils 2m-15m)

Maximum Working Pressure calculation according to EN 14276 Standard which complies with the European Directive PED 2014/68/EU (Pressure Equipment Directive)

Copper tube external diameter	Inch	1/4-3/8	1/4-1/2	1/4-5/8	1/4-3/4	3/8-1/2	3/8-5/8	3/8-3/4	1/2-3/4
	mm	6,35-9,52	6,35-12,7	6,35-15,87	6,35-19,05	9,52-12,7	9,52-15,87	9,52-19.05	12,7-19,05
Copper tube wall thickness	mm	0,80-0,80	0,80-0,80	0,80-1,00	0,80-1,00	0,80-0,80	0,80-1,00	0,80-1,00	0,80-1,00
Overall external diameter with 9mm thick insulation	mm	24,4-27,5	24,4-30,7	24,4-33,9	24,4-37,10	27,5-30,7	27,5-33,9	27,5-37,1	30,7-37,1
Working pressure	bar	157-101	157-72	157-72	157-58	101-75	101-72	101-58	75-58

Other sizes and special packaging in pallets or cardboard boxes are available upon request.

Insulation Technical Properties

PE X Cross-linked Polyethylene

UV RESISTANCE

MATERIAL	PE-X foam
DENSITY ACCORDING TO DIN 53420 ASTM D 1667	30-33 Kg/m^3
THERMAL CONDUCTIVITY COEFFICIENT (ñ) ACCORDING TO ASTM C 335	0,039 W/m.K
VAPOUR-WATER DIFFUSSION RESISTANCE COEFFICIENT (μ) ACCORDING TO ISO 12572	> 9.000
WORKING TEMPERATURE	-80^{o}C to +110^{o}C
FIRE RESISTANCE	EN 13501-1 Class B or Class E, DIN 4102, B2, BS 476, NF P 92 501-M1
RESISTANCE TO CHEMICAL AGENTS ACC. TO ASTM 543-56 T	Very good
SOUND ABSORPTION ACC. TO DIN 4109 300-2500Hz	~60%
DIMENSIONAL STABILITY ACCORDING TO ISO 2796 FOR TEMPERATURES UP TO 100^{o}C	<5%

Values are listed, as obtained under standard laboratory conditions and may be amended, without prior notice.