



FRSA
Fire Rescue Safety Australia



PRODUCT DATA SHEET

OSW UNIDUR HOSE

CONSTRUCTION

Inside: Very smooth high-quality Nitrile/PVC rubberlining. Jacket is 100% high tenacity synthetic polyester yarn, circular-woven twill weave, warp and weft threads multiple twisted, embedded in a rubber compound, for optimum protection of the jacket.

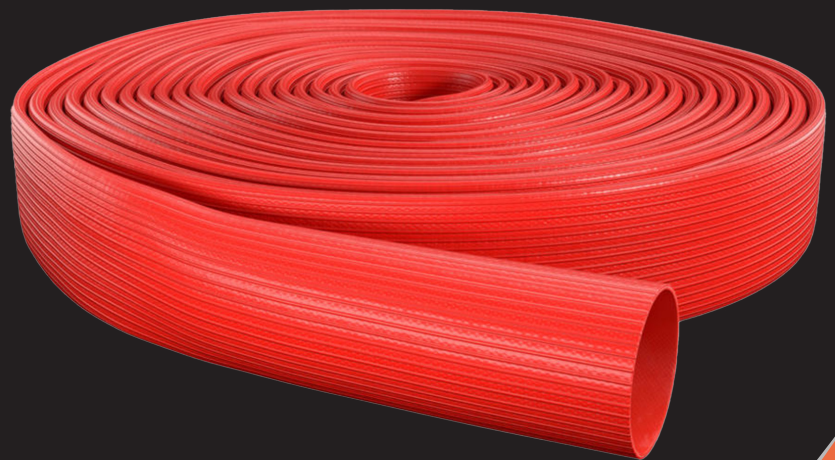
Outside: High-quality Nitrile/PVC rubberlining with longitudinal ribs.

FEATURES

- high abrasion resistance and durability by longitudinal ribs
- Any damage to the cover can easily be repaired
- very good kink radius for high flexibility
- low friction/pressure loss with the smooth rubberlined inside
- high-quality Nitrile/PVC rubberlining is extremely resistant to aging, ozone and UV radiation
- root resistant, low maintenance
- cold resistance: up to $-40\text{ }^{\circ}\text{C}$
- heat resistance: up to $+100\text{ }^{\circ}\text{C}$ (for water)
- also suitable for sea water, hot water, water steam and many other chemicals

SERVICE

- individual printing possible (e.g. company logo)
- can be connected with national and international couplings
- binding: wire, smartFIT, clamps, Iconos, Innotrade, press sleeves etc.
- optional impact and abrasion cuffs over the binding (smooth or conical)
- repair or sliding sleeves in different designs
- innovations: smartFIT, smartPROTECT, RFID chip, edge gliders
- on customer request: double rolled, untwisted, with factory test report



TECHNICAL DETAILS

OSW UNIDUR

Diameter		Bursting pressure (in fact)	Bursting pressure (DIN)	Working pressure (DIN)	Bending Radius (DIN)	Volume Flow Rate	Theo. Tensile Strength	Wall Thickness	Weight
Inch	mm	bar	bar	bar	mm	L/min	kg	mm	g/m (+/-5%)
3/4	19	75	50	16	190	140	1.800	2,20	195
1	25 / 27	75	50	16	250 / 270	140	2.300	2,00	220
1 1/4	32	65	50	16	320	500	2.700	2,00	270
1 1/2	38	65	50	16	380	500	3.100	2,20	315
1 2/3	42	65	50	16	420	600	3.100	2,00	340
1 3/4	45	65	50	16	450	800	3.300	2,00	350
2	52	60	50	16	520	1.200	3.900	1,80	400
2 1/2	64 / 65 / 66	60	50	16	640 / 650 / 660	1.800	5.200	2,30	575
2 3/4	70	60	50	16	700	1.800	5.800	2,20	620
3	75	60	50	16	750	2.400	7.000	2,40	740
3 1/2	90	50	35	12	900	3.500	7.900	2,80	860
4	102	45	35	12	1.020	4.700	8.200	2,50	1.140
4 1/3	110	45	35	12	1.100	5.200	8.800	2,90	1.140
5	125	45	35	12	1.250	7.000	12.500	3,00	1.260
6	150	38	35	12	1.500	10.000	13.300	3,00	1.700
8	203	35	30	10	2.030	20.000	23.400	3,50	3.000
10	254								on request

Regarding the data for bursting pressure and working pressure, refer only to the pure hose without couplings. Technical specifications are subject to change without prior notice.

APPLICABLE STANDARDS

- according to DIN14811:2008 class 3
- according to BD 6391:2009 Type 3
- with Lloyd's Register approval

Approval or test certificates will be sent on request

