

# TUSIL® RAD CRUSH RESISTANT TDD



Flexible hose used for suction and delivery of anti-freeze liquid in the wind turbine cooling system where halogen free properties are required. Crush resistant.

## DESCRIPTION

### Tube

blue, silicone, heat and anti-freeze liquid resistant, halogen free

### Reinforcement

high temperature resistant plies, thermoplastic wire helix

### Cover

smooth, blue, silicone, abrasion, ageing, ozone, heat and paraffin oil resistant, cloth finish, halogen free

## TECHNICAL CHARACTERISTICS

**Temperature range** : -60°C / +180°C ( -76°F / +356°F )  
peaks to +200°C (+392°F)

**Norms** : ISO 1307 for dimensional tolerances

Inside diameter		Outside diameter		Vacuum		Working pressure		Burst pressure		Appr. weight		Bending radius	
[mm]	[in]	[mm]	[in]	[bar]	[psi]	[bar]	[psi]	[bar]	[psi]	[kg/mt]	[lbs/ft]	[mm]	[in]
19	0,75	31,5	1,24	0,7	10	13	195	39	585	0,54	0,36	100	3,94
25	1,00	37,5	1,47	0,7	10	10	150	30	450	0,67	0,45	120	4,72
38	1,50	50,5	1,98	0,7	10	7	105	21	315	0,93	0,62	180	7,09
51	2,00	63,5	2,50	0,7	10	6	90	18	270	1,20	0,80	240	9,45

Data refer to ambient temperature (20°C), we recommend a reduction of 20% working pressure for every 100°C of temperature increase. Other diameters, wall thickness, colors and pressure only on specific request.