

# 1.16 Rubber Resin Hose

**Structure and Capability:** This kind of hose is made of Inner Tube (Nylon), Reinforcement (High Pressure Synthetic Fiber), and Cover (High Flexibility Nylon or Thermoplastic). It is Light weight, Flexibility, and the inner tube is very smooth. With a few loss of pressure, the hose resistance of the Medium flowing is small, and it also owns a fine performance or Anti-chemical and Impulse.

**Applicatoin:** Automobile, Enginnering Machinery, Lathe , Agriculture Machine, Mining, Spurting the Oil Paint, Avigation & Spaceflight, Cooling and other Hydraulic Control System



## SAE 100 R8 / DIN EN855 R8

Hose ID		Hose OD	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
inch	mm	mm	Mpa	Psi	Mpa	Psi	mm	kg/m
3/16	4.8	13.1	34.5	5000	137.9	20000	38	0.115
1/4	6.4	15.9	34.5	5000	137.9	20000	51	0.176
3/8	9.5	19.4	27.6	4000	110.3	16000	64	0.220
1/2	12.7	22.7	24.1	3000	96.5	14000	102	0.283

## SAE 100 R7 / DIN EN855 R7

Hose ID		Hose OD	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
inch	mm	mm	Mpa	Psi	Mpa	Psi	mm	kg/m
3/8	9.5	20.3	27.5	4000	110.3	16000	130	0.037
1/2	12.7	23.8	27.5	4000	110.3	16000	180	0.068
5/8	15.9	27.4	27.5	4000	110.3	16000	200	0.085
3/4	19.0	30.7	27.5	4000	110.3	16000	240	0.103
1	25.4	38.0	27.5	4000	110.3	16000	300	0.141
1-1/4	31.8	47.0	20.7	3000	82.7	12000	420	0.210
1-1/2	38.1	53.5	17.2	2500	68.9	10000	500	0.287
2	50.8	66.7	17.2	2500	68.9	10000	630	0.542

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