

Product Information

Vena® Sil R/A–Full–NMX (straight hoses)

CONSTRUCTION AND APPLICATIONS

This reference is manufactured with three Nomex®⁽¹⁾ textile reinforcements. The silicone rubber compound R/A silicone (Oil Resistant Quality) so that it has a higher resistance to oil particles and/or hydrocarbons in suspension.

⁽¹⁾ Nomex is a registered trademark of Dupont.

Specially recommended in turbocharger system for industrial vehicles, due to its high capacity to withstand hydrocarbons and/or oil particles in the cooling pressurized air. It can also be used in a variety of other areas where hydrocarbons and/or oil particles are present.

LIMITATIONS

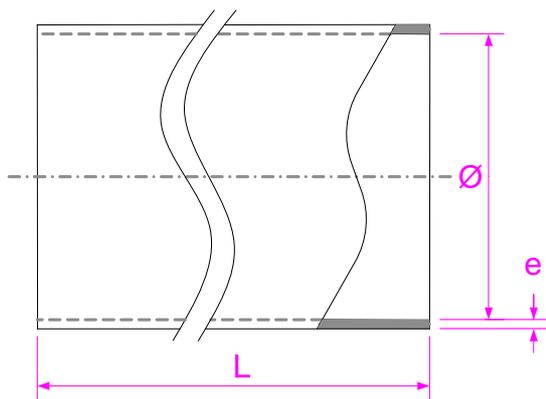
This type of tube is not recommended for applications with negative pressure (vacuum).

Not recommended for transport of abrasive particles.

HOSE PROPERTIES

- Plain inner and outer appearance. Red external colour.
- Excellent flexibility during the assembly process.
- Not affected by anti-freeze or anti-rust liquids.
- Excellent resistance to thermal aging and oxidizing agents (oxygen, ozone, UV).
- Highly resistant to hardening with very good compression characteristics.
- Operational temperature range from -60 to +200°C (it may reach up to 220°C during short periods of time).
- The standard manufacturing length is 4 meters long (L), although it is available in shorter lengths if necessary.
- Working and bursting pressure determined with pressure tests according ISO 1402/1994.
- Silicone used in this reference meets EU Directive 2002/95/ECC of Restriction of the use of certain hazardous substances (RoHS).

TECHNICAL SPECIFICATIONS



Inner diameter (mm) - Ø -	Wall thickness (mm) - e -	Working pressure (bar) water at 20° C	Bursting pressure (bar) water at 20° C
12	3,7 +1,0 -0,5	11,4 *	34,2 *

Estimated pressure values

SILICONE PROPERTIES

The typical properties of R/A silicone are listed below:

Property	Method	Unit	Value
Hardness	ASTM* D-2240	Shore-A	60±5
Specific gravity	ASTM* D-792	g/cm ³	1.20±0.02
Tensile strength	ASTM* D-412	MPa	>7,9
Elongation at break	ASTM* D-412	%	>350
Tear Strength	ASTM* D-624	kN/m	>15

* ASTM: American Standard Testing Method



FABRIC PROPERTIES

The typical properties of this fabric are:

Property	Method	Unit	Value
Weight		g/m ²	135±5%
Thickness		mm	0,40±0,10
Breaking elongation			
Warp	ASTM* D-5035-95	%	≥30
Weft			≥30
Breaking Strength			
Warp	ASTM* D-5035-95	Kgf/cm ²	≥75
Weft			≥70

* ASTM: American Standard Testing Method