

# SILEX<sup>®</sup>

## SILICONES<sub>0</sub>



Certificate No. 0372

### PLATINUM CURED POLYESTER & WIRE REINFORCED SILICONE VACUUM HOSE

#### 70° SHORE, TRANSLUCENT

Manufactured using a platinum cured silicone elastomer which is compositionally compliant with FDA 21 CFR 177.2600 and USP Class VI standards. These hoses are supplied in 4m lengths, with a temperature range of -60°C to +200°C (+220°C spot) in standard form; bore sizes available from ¼" (6.3mm) to 6" (152.4mm). Standard colour is translucent. These hoses are ideally suited for clean industry process/production use.

#### Construction

The wall construction is made of plies of knitted polyester cloth impregnated with silicone and a stainless steel wire reinforcing helix embedded between the plies. Smooth line bore for clear flow with smooth outer skin of silicone for complete integrity. The range of hoses incorporates wire reinforcement at 4 turns per inch, resulting in extreme flexibility and the ability to handle increased operating pressures.

#### Pressure Range

This range of hoses are designed to have a working pressure of 10 bar minimum, or full vacuum.

#### TYPICAL PHYSICAL PROPERTIES OF THE CURED SILICONE RUBBER COMPOUND:

Raw Material	Platinum Cured Silicone
Colour	Translucent
Specific Gravity	1.2
Hardness	60-65° shore A (silicone)
Tensile Strength	10 Mpa (min.) (silicone)
Elongation at Break	450° (min.) (silicone)
Tear Strength	38 kN/m (silicone)

#### MINIMUM RECOMMENDED BEND RADII:

Hose Bore (mm)	Min C/L Bend Radius (mm)	Hose Bore (mm)	Min C/L Bend Radius (mm)
12.0	45	45.0	140
19.0	50	51.0	170
25.4	65	63.0	275
31.8	87	75.0	400
38.1	110	102.0	700

**NOTE:** It is the responsibility of the user to determine that the finished product, including fittings, complies with the provisions of FDA 21 CFR 177.2600 and USP Class VI.

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