

SILICONE SUCTION AND DELIVERY HOSE

Silicone braided, wire reinforced hose is Mandrel built using a FDA compliant platinum cure silicone elastomer. The number of plies reinforcing the hose varies with the hose bore and pressure rating required. Plies are knitted polyester cloth impregnated with silicone.

The bore of the hose is perfectly smooth for clear flow. The outer of the hose is available smooth or for extra flexibility convoluted. All hygienic industry standard fitting can be swaged to the hose. Ideally suited to the food and pharmaceutical industry.

Size range 19 mm to 51 mm bore.

Temperature -60°C to +200°C.

Hose is suitable for full vacuum.

Pressure safety factor 3:1.

Standard colour – Translucent (other colours available on request).



SPECIFICATIONS

| Bore Size | Working Pressure | Burst Pressure | Bend Radius |
|-----------|------------------|----------------|-------------|
| mm | bar | bar | mm |
| 19.0 | 10 | 30 | 132 |
| 25.4 | 10 | 30 | 165 |
| 32.0 | 10 | 30 | 215 |
| 35.0 | 10 | 30 | 280 |
| 38.0 | 10 | 30 | 300 |
| 44.5 | 10 | 30 | 410 |
| 51.0 | 10 | 30 | 550 |

Other sizes available

TYPICAL PHYSICAL PROPERTIES OF CURED SILICONE RUBBER COMPOUND

| RAW MATERIAL | PLATINUM CURED SILICONE |
|---------------------|----------------------------|
| SPECIFIC GRAVITY | 1.18 |
| HARDNESS | 60-65 SHORE 'A' (SILICONE) |
| TENSILE STRENGTH | 10 Mpa (min) SILICONE |
| ELONGATION AT BREAK | 450% (minimum) SILICONE |
| TEAR STRENGTH | 38 Kn/m (SILICONE) |

