

PVC (Polyvinyl Chloride) SOLVA peristaltic hoses



PVC is produced by polymerisation of Vinyl Chloride Monomer.

In order to produce commercial grades of the polymer - which meet various specification requirements - it is compounded with other additives using extrusion and mixing techniques.

Depending on the additives used, properties such as flexibility, clarity, colour, heat stability, density and chemical resistance can be controlled and modified. This compound can be produced in granular or powder form.

PVC has been used across all industries, including medical, for the last 50 years. It is one of the most widely researched and used thermoplastic materials today. Historically, PVC has been used as a replacement material for rubbers and glass components. Other uses have developed rapidly due to its ability to optimise performance and safety requirements at a low cost.

PVC is characterised by a high degree of biocompatibility, transparency - where needed - and flexibility under changing temperatures and humidities.

PVC is easily sterilised to meet a number of industry and medical standards. It also has excellent water and chemical resistance.

Flexible PVC's usually use a phthalate plasticiser. The most important phthalate in high volume use is DEHP, which is listed by the European Pharmacopoeia and recommended for softening disposable medical items, such as tubing and blood bags.

Solva Transmission Tubing

Metric I.D.	Part Number
0.13mm	116-0537-01
0.19mm	116-0537-02
0.25mm	116-0537-03
0.38mm	116-0537-04
0.51mm	116-0537-05
0.64mm	116-0537-06
0.76mm	116-0537-07
0.89mm	116-0537-08
1.02mm	116-0537-09
1.14mm	116-0537-10
1.30mm	116-0537-11
1.42mm	116-0537-12
1.52mm	116-0537-19
1.65mm	116-0537-13
1.85mm	116-0537-14
2.06mm	116-0537-15
2.29mm	116-0537-16
2.54mm	116-0537-17
2.79mm	116-0537-18

Solva Regular Transmission Tubing

Metric I.D.	Metric O.D.	Part Number
1.6mm	3.2mm	116-0528-02
3.2mm	4.8mm	116-0529-02
3.2mm	6.4mm	562-0055-01

Solva Reeled PVC Tubing

General Laboratory Tubing 64 Shore A		
Metric I.D.	Wall	Part Number
0.5mm	1.0mm	SL-0050-010
1.0mm	1.0mm	SL-0100-010
1.6mm	1.6mm	SL-0160-016
2.0mm	1.0mm	SL-0200-010
2.0mm	1.5mm	SL-0200-015
2.4mm	1.6mm	SL-0240-016
3.2mm	0.75mm	SL-0320-075
3.2mm	1.6mm	SL-0320-016
4.8mm	1.6mm	SL-0480-016
6.4mm	1.6mm	SL-0640-016
6.4mm	3.2mm	SL-0640-032
8.0mm	1.6mm	SL-0800-016
9.6mm	1.6mm	SL-0960-016
9.6mm	3.2mm	SL-0960-032
12.7mm	3.2mm	SL-1270-032