

## Nylon tubing

	advantages	applications	connections
<b>semi-rigid</b>	<ul style="list-style-type: none"> <li>- large range of working temperatures and pressures</li> <li>- good chemical resistance</li> <li>- 7 colours</li> <li>- 3 mm to 16 mm tube o.d.</li> </ul>	<ul style="list-style-type: none"> <li>- pneumatic systems</li> </ul>	LF3000*, LF3600, LF3800 <b>push-in fittings</b>  brass and stainless steel <b>compression fittings*</b>  adaptors 
<b>multitube semi-rigid/PVC sheath</b>	<ul style="list-style-type: none"> <li>- small bend radius</li> <li>- 6 colours, 2 to 12 tubes</li> </ul>	<ul style="list-style-type: none"> <li>- pneumatic circuits submitted to external aggression</li> </ul>	multi-connector 
<b>rigid</b>	<ul style="list-style-type: none"> <li>- 1 colour</li> <li>- close tolerance, 4 mm to 10 mm tube o.d.</li> </ul>	<ul style="list-style-type: none"> <li>- centralised lubrication circuits</li> </ul>	<b>push-in fittings for centralised lubrication</b> 

## Recoil tubing

	advantages	applications	connections
<b>nylon with 1/4" BSP taper fitting</b>	<ul style="list-style-type: none"> <li>- the coil will continue to contract after multiple use</li> <li>- fitted with protection springs</li> <li>- 2 colours</li> <li>- 6 mm and 8 mm o.d.</li> </ul>	<ul style="list-style-type: none"> <li>- pneumatic equipment</li> </ul>	C 9000 and metal <b>quick acting couplers</b>  <b>Blowguns</b> 
<b>polyurethane with 1/4" BSP taper fitting</b>	<ul style="list-style-type: none"> <li>- the coil will continue to contract after multiple use</li> <li>- high flexibility</li> <li>- fitted with protection springs</li> <li>- 3 colours</li> <li>- 4 mm to 12 mm o.d.</li> </ul>		C 9000 and metal <b>quick acting couplers</b>  <b>Blowguns</b> 
<b>polyurethane without connectors</b>	<ul style="list-style-type: none"> <li>- suited to reduced spaces</li> <li>- 1 colour</li> <li>- 8 mm to 12 mm tube o.d.</li> </ul>		push-in fittings with protection springs  C 9000 <b>quick acting couplers</b> 

## Braided PVC hose

	advantages	applications	connections
	<ul style="list-style-type: none"> <li>- translucent for visual checking of fluid</li> <li>- food quality</li> <li>- 8 mm to 26 mm tube o.d.</li> </ul>	<ul style="list-style-type: none"> <li>- suitable for use with food and industrial fluids</li> </ul>	adaptors  C 9000 and metal <b>quick acting couplers</b> 

## Self-fastening hose

	advantages	applications	connections
	<ul style="list-style-type: none"> <li>- excellent resistance to hydrocarbons, UV, welding sparks and abrasion</li> <li>- simplicity of installation</li> <li>- 4 colours, DN 6 to 20</li> </ul>	<ul style="list-style-type: none"> <li>- automotive process equipment</li> <li>- cooling circuits</li> <li>- pneumatic installations</li> </ul>	<b>quick-acting barbed fittings</b> 0132, 0133 and 0134 

## packaging - Legris tubes and hoses

	<b>Tubepack</b> , for easy storage - for nylon, polyurethane, FEP 140 and polyethylene tubing		<b>Drum, 100 m long</b> , for easy handling - for polyurethane tubing		<b>Drum, up to 1000 m long</b> , for optimized handling - for nylon, polyurethane and FEP 140 tubing
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## Polyurethane tubing

	advantages	applications	connections
	<ul style="list-style-type: none"> <li>- large range of working temperatures and pressures</li> <li>- high flexibility</li> </ul>		LF3000*, LF3600, LF3800 <b>push-in fittings*</b>  brass and stainless steel <b>compression fittings*</b>  adaptors 
<b>polyester</b>	<ul style="list-style-type: none"> <li>- good chemical resistance</li> <li>- good ageing</li> <li>- 6 colours</li> <li>- close tolerance, 3 mm to 14 mm tube o.d.</li> </ul>	<ul style="list-style-type: none"> <li>- pneumatic systems</li> </ul>	
<b>polyether</b>	<ul style="list-style-type: none"> <li>- good resistance to humidity and bacteriological aggression</li> <li>- 3 colours</li> <li>- close tolerance, 4 mm to 14 mm tube o.d.</li> </ul>		
<b>twin tubing</b>	<ul style="list-style-type: none"> <li>- compact cabling</li> <li>- single or two-coloured (black/blue)</li> <li>- 4 mm to 8 mm tube o.d.</li> </ul>		
<b>anti-static</b>	<ul style="list-style-type: none"> <li>- prevents accumulation of electrostatic charges</li> <li>- close tolerance, 3 mm to 12 mm tube o.d.</li> </ul>	<ul style="list-style-type: none"> <li>- electronic environments</li> </ul>	

## Fluoropolymer FEP 140 tube

	advantages	applications	connections
	<ul style="list-style-type: none"> <li>- excellent resistance to chemicals and high temperature</li> <li>- food quality</li> <li>- close tolerance, 4 mm to 12 mm tube o.d.</li> </ul>	<ul style="list-style-type: none"> <li>- food and industrial applications</li> </ul>	LF3600, LF3800 <b>push-in fittings*</b>  stainless steel <b>compression fittings*</b> 

## Polyethylene

	advantages	applications	connections
	<ul style="list-style-type: none"> <li>- resistance to chemicals</li> <li>- food quality</li> <li>- economical solution</li> <li>- close tolerance, from 1/8" to 1/2" and 4 mm to 14 mm tube o.d.</li> </ul>	<ul style="list-style-type: none"> <li>- food and industrial applications</li> </ul>	LF3600 <b>push-in fittings</b> 

## Anti-spark tubing

	advantages	applications	connections
	<ul style="list-style-type: none"> <li>- conforms to UL94 VO standard</li> <li>- excellent resistance to spark projections</li> </ul>	<ul style="list-style-type: none"> <li>- installations submitted to aggressive environments and spark projections</li> </ul>	
<b>anti-spark nylon tubing</b>	<ul style="list-style-type: none"> <li>- resistant to high pressure</li> <li>- from 6 mm to 12 mm tube o.d.</li> </ul>		LF6000 <b>push-in fittings</b> 
<b>anti-spark polyurethane tubing</b>	<ul style="list-style-type: none"> <li>- resistant to high pressure</li> <li>- from 6 mm to 12 mm tube o.d.</li> </ul>		LF6000 <b>push-in fittings</b> 
<b>anti-spark single layer polyurethane tubing</b>	<ul style="list-style-type: none"> <li>- excellent humidity resistance</li> <li>- from 4 mm to 12 mm tube o.d.</li> </ul>		LF3600 <b>push-in fittings</b> 


## Product codes of Legris tubes and hoses

	material → colour <b>1100P04 03 27</b> length → o.d. of tube → i.d. of tube, if appropriate
<b>tube o.d.:</b> corresponds to the outside diameter of the tube <b>tube i.d.:</b> 27 = 2,7 mm	<b>colour code:</b> 00 =       03 =       06 = 01 =       04 =       07 = 02 =       05 =       08 =
<b>material code:</b> P= nylon T= FEP 140 U= polyurethane V= PVC Y= polyethylene	

# Technical Tubes and Hoses


## Close tolerance semi-rigid nylon tubing

### 1025P-1100P close tolerance semi-rigid nylon tubing, 25 m and 100 m rolls

Length (m)	o.d. tube mm	i.d. tube mm	minimum bend radius for tube at ambient temp. in mm			
25	4	2,7	30	1025P04 00 27	1025P04 01 27	1025P04 04 27
25	6	4	35	1025P06 00	1025P06 01	1025P06 04
25	8	6	55	1025P08 00	1025P08 01	1025P08 04
25	10	7,5	75	1025P10 00 75	1025P10 01 75	1025P10 04 75
25	12	9	75	1025P12 00 09	1025P12 01 09	1025P12 04 09
25	14	11	100	1025P14 00 11	1025P14 01 11	1025P14 04 11
100	4	2,7	30	1100P04 00 27	1100P04 01 27	1100P04 04 27
100	6	4	35	1100P06 00	1100P06 01	1100P06 04
100	8	6	55	1100P08 00	1100P08 01	1100P08 04
100	10	7,5	75	1100P10 00 75	1100P10 01 75	1100P10 04 75


## Close tolerance flexible polyurethane tubing

### 1025U-1100U Close tolerance flexible polyurethane tubing, 25 m and 100 m rolls

Length (m)	o.d. tube mm	i.d. tube mm	minimum bend radius for tube at ambient temp. in mm				
			polyester	polyether	polyester	polyester	polyether CRYSTAL
25	4	2,5	10	10	1025U04 01	1025U04 04	1025U04R08
25	6	4	15	20	1025U06 01	1025U06 04	1025U06R08
25	8	5,5	20	25	1025U08 01	1025U08 04	1025U08R08
25	10	7	25	35	1025U10 01	1025U10 04	1025U10R08
25	12	8	35	40	1025U12 01	1025U12 04	1025U12R08
25	14	9,5	45	50	1025U14 01 95	1025U14 04 95	1025U14R08 95
100	4	2,5	10	10	1100U04 01	1100U04 04	1100U04R08
100	6	4	15	20	1100U06 01	1100U06 04	1100U06R08
100	8	5,5	20	25	1100U08 01	1100U08 04	1100U08R08


## Close tolerance fluoropolymer FEP tube


### 1005T - 1025T

o.d. tube mm	i.d. tube mm	R minimum bend radius for tube at ambient temp. in mm		
			in 5 m rolls white	in 25 m rolls white
4	2,5	40	1005T04 00 25	1025T04 00 25
6	4	50	1005T06 00	1025T06 00
8	6	70	1005T08 00	1025T08 00
10	8	120	1005T10 00	1025T10 00
12	10	180	1005T12 00	1025T12 00

## Polyethylene tubing

### 1100Y Polyethylene tubing, 100 m rolls

o.d. tube mm	i.d. tube mm	R minimum bend radius for tube at 20° C (in mm)	
			in 100 m rolls
4	2	25	1100Y04 00
6	4	35	1100Y06 00
8	6	55	1100Y08 00
10	8	80	1100Y10 00
12	9	65	1100Y12 00
14	11	80	1100Y14 00

 = suitable for food applications

# technical tubes and hoses

## application table for Legris nylon and polyurethane tubing

- 1 recommended
- 2 satisfactory
- 3 inappropriate

### NYLON TUBING

	at 20° C		at 20° C
Acetaldehyde	1	Kerosene	1
Acetone	1	Methane	1
Acetylene	1	Methyl Acetate	1
Benzene	1	Methyl Alcohol (pure)	1
Bleach	2	Methyl Bromide	1
Bromine	3	Methyl Chloride	1
Butane	1	Methyl Ethyl Ketone	1
Butyl Acetate	1	Methyl Isobutyl Ketone	1
Butylic Alcohol	1	Oxygen	1
Calcium Chloride	1	Ozone	2
Carbon Tetrachloride	3	Perchlorate Ethylene	2
Chloride	3	Phenols	3
Chromic Acid 10%	3	Phosphoric Acid 50 %	1
Citric Acid	1	Potash 50 %	1
Concentrated Ammonia	1	Potassium Nitrate	1
Copper Sulphate	1	Potassium Sulphate	1
Cutting Oils	1	Propane	1
Cyclohexane	1	Soda 50 %	1
Cyclohexanone	1	Sodium Carbonate	1
Diesel Oil	1	Sodium Chloride	1
Ethyl Acetate	1	Sulphuric Acid 10%	1
Ethyl Alcohol (pure)	1	Sulphurous Anhydride	2
Ethyleneoxide	1	Supergrade Petrol	1
Freon 12-22	1	Toluene	1
Formalin	1	Tributylphosphate	1
Gaseous Ammonia	1	Trichlorethane	1
Glucose	1	Trichlorethylene	2
Hydrochloric Acid 10 %	1	Water	1
Hydrogen	1	Xylem	1
Hydrogen Peroxide	1	Zinc Chloride	1





# Technical Tubes and Hoses

## Applications





The extensive compatibility of Legris fittings/technical tubes and hoses is ideally suited for **many industrial and food applications**. Legris' policy is to be able to offer its customers a **full range** of tubes and hoses, compatible with the different ranges of fittings featured in this product guide.

The overview below illustrates the **best choices** to obtain the **best performance** of the fitting/tube connection.

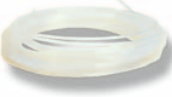


## 1025P-1100P Nylon Tubing

	connections	applications
<b>semi-rigid</b> 	LF 3000®, LF 3600, LF 3800 <b>instant fittings</b>  <b>adaptors</b> 	pneumatic systems 
<b>benefits :</b> <ul style="list-style-type: none"> <li>- large range of working temperatures and pressures</li> <li>- good chemical resistance</li> <li>- 7 colours for easy identification of circuits</li> <li>- close tolerance, 3 mm to 16 mm</li> </ul>		





## 1025U-1100U Polyurethane Tubing

	connections	applications
<b>polyester</b> 	LF 3000®, LF 3600, LF 3800 <b>instant fittings</b>  <b>adaptors</b> 	pneumatic systems 
<b>benefits :</b> <ul style="list-style-type: none"> <li>- large range of working temperatures and pressures</li> <li>- high flexibility</li> <li>- good chemical resistance</li> <li>- 7 colours for easy identification of circuits</li> <li>- close tolerance, 4 mm to 14 mm</li> </ul>		




## 1005T-1025T Fluoropolymer FEP Tube

	connections	applications
	LF 3600, LF 3800 <b>instant fittings</b> 	food industry and aggressive environment 
<b>benefits :</b> <ul style="list-style-type: none"> <li>- excellent resistance to chemicals and high temperature</li> <li>- FDA food quality</li> <li>- close tolerance, 4 mm to 12 mm</li> </ul>		




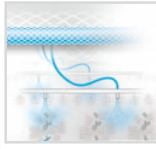
## 1470U-1471U-1472U Recoil Tubing

	connections	applications
<b>polyurethane</b> with integral 1/4" BSP taper fitting 	C 9000 and metal <b>quick acting couplers</b>  <b>Blowguns</b> 	pneumatic equipment 
<b>benefits :</b> <ul style="list-style-type: none"> <li>- the coil will continue to contract after multiple use</li> <li>- high flexibility</li> <li>- good chemical resistance</li> <li>- 3 colours</li> <li>- 4 mm to 12 mm o.d.</li> </ul>		

## 1100Y Polyethylene Tubing

	connections	applications
	LF 3600 <b>instant fittings</b> 	food and industrial applications 
<b>benefits :</b> <ul style="list-style-type: none"> <li>- good resistance to aggressive and corrosive agents</li> <li>- FDA food quality</li> <li>- 4 mm to 14 mm o.d.</li> </ul>		

## 1025V Braided PVC Hose

	connections	applications
	<b>adaptors</b>  C 9000 and metal <b>quick acting couplers</b> 	suitable for use with food and industrial fluids 
<b>benefits :</b> <ul style="list-style-type: none"> <li>- translucent for visual checking of fluid</li> <li>- FDA food quality</li> <li>- 8 mm to 26 mm o.d.</li> </ul>		