



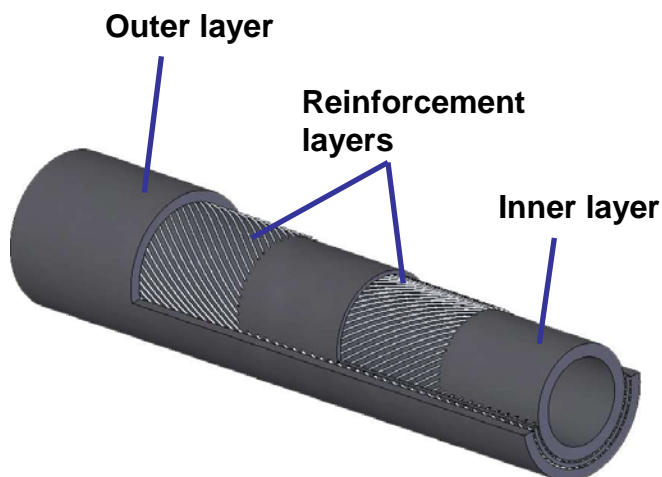
# LPP-T HOSE

## HOSE MATERIALS FOR LAROX PUMPS

HOSE MATERIAL	APPLICATION EXAMPLES	TEMPERATURE RANGE
<b>EPDM</b> Ethylene propylene	Chemical applications	-10°C - +95°C
<b>NBR</b> Nitrile rubber	Applications involving oil, fats and hydrocarbon	-10°C - +95°C
<b>NR</b> Natural rubber	High wear applications	-15 °C - +75°C
<b>NBRF</b> Nitrile rubber	Applications involving fatty foodstuffs Fulfils FDA (Food and Drug Administration) requirements	-10°C - +95°C

LPP-T hose includes three sets of layers:

- **The inner layer** which is the only part of the hose in contact with the medium is resistant to abrasive wear and chemicals
- **The reinforcement layers** give the hose its pressure retaining capability
- **The outer layer** protects the hose and facilitates it to return to its original shape after compression creating a suction effect



HOSE FEATURE	BENEFIT
Preformed hose	Easy and fast assembly
Individually hand made hose	High quality as each hose goes through an automatic quality check
Steel enforced flanges at both ends of the hose	Reliable and tight connection Improved resistance to high pressures, temperature and pressure variations

# LAROX FLOWSYS PUMP HOSE MODEL NUMBERING

HOSE TYPE	HOSE MATERIAL	PRESSURE CLASS (PN)	HOSE INNER DIAMETER	WEIGHT
LPP-D= LPP-D pump hose	EPDM = Ethylene propylene NR = Natural rubber NBR = Nitrile rubber NBRF = Nitrile rubber (foodstuff quality)	7.5 = 7.5 BAR	(mm) 15 20 25	~ 1 kg ~ 1 kg ~ 1,5 kg
LPP-T= LPP-T pump hose	EPDM = Ethylene propylene NR = Natural rubber NBR = Nitrile rubber NBRF = Nitrile rubber (foodstuff quality)	10 = 10 BAR  7.5 = 7.5 BAR (DN80)	(mm) 25 32 40 50 65 80	~ 2 kg ~ 3,5 kg ~ 5 kg ~ 10 kg ~ 14 kg ~ 29 kg

**Example:** LPP-T hose, natural rubber, pressure class 10 bars, hose bore diameter 40 mm

**Type marking:** LPP-T40-NR10

## HOSE MATERIAL SELECTION

MEDIUM		EPDM			NR			NBR			NBRF		
Calcium carbonate		1			1			1			1		
Calcium chlorate		1			1			2			2		
Calcium chloride		1			1			1			1		
Calcium hydroxide		1			1			1			1		
Copper chloride		1			1			1			1		
Copper sulphate		1			1			2			2		
Crude oil		3			3			2			2		
Diesel oil		3			3			3			3		
Ferric chloride 65 °C		1			1			1			1		
Ferric oxide		1			1			1			1		
Ferrous chloride		1			1			1			1		
Magnesium hydroxide		1			1			1			1		
Seawater		1			1			1			1		
Sodium hypochloride 12%		1			3			3			3		
Sulphur chloride		3			3			(2) - 3			3		
Sulphuric Acid	Conc. %	23 °C	50 °C	80 °C	23 °C	50 °C	80 °C	23 °C	50 °C	80 °C	23 °C	50 °C	80 °C
	10	1	1	1	1	1	1	1	2	3	2	2	3
	20	1	1	1	1	1	1	1	2	3	2	2	3
	25	1	1	1	1	1	2	2	3	3	2	3	3
	50	1	1	1	1	2	2	3	3	3	3	3	3
	60	2	3	3	2	2	3	3	3	3	3	3	3
	75	2	3	3	3	3	3	3	3	3	3	3	3
96	3	3	3	3	3	3	3	3	3	3	3	3	
Titanium dioxide 30%		1			1			2			2		
Zinc chloride		1			1			1			1		
Zinc sulfate		1			1			1			1		

1 – good

2 – little effect

3 – not recommended

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