



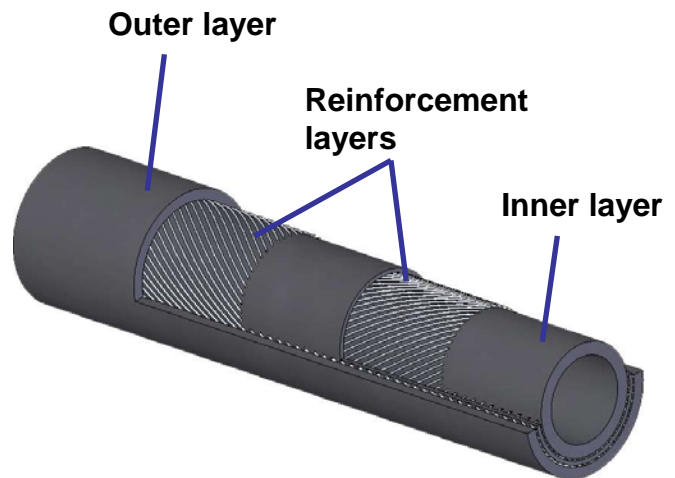
LPP-D HOSE

HOSE AND HOSE INSERT MATERIALS FOR LAROX PUMPS

HOSE MATERIAL	APPLICATION EXAMPLES	COLOUR CODE	TEMPERATURE RANGE	HOSE INSERT MATERIALS
EPDM Ethylene propylene	Chemical applications	Violet	-10°C - +95°C	AISI 316 steel Nylon Polypropylene Hastelloy C
NBR Nitrile rubber	Applications involving oil, fats and hydrocarbon	Yellow	-10°C - +95°C	
NR Natural rubber	High wear applications	Light blue	-15 °C - +75°C	
NBRF Nitrile rubber	Applications involving fatty foodstuffs In compliance with FDA (Food and Drug Administration) positive material list	White	-10°C - +95°C	

LPP-D hose consists of three different 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

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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