



Low-priced, calibrated hose for use with screw fittings.

With its soft and flexible character, combined with relatively high strengths and good resistance to stress cracking, this hose is ideal for use in the following types of application:

- Flexible pneumatic lines in the low-pressure range, providing no special resistance to greases, oils or other hydrocarbons is required.
- Compressed air control lines.
- Vacuum lines (suitable for vacuum up to 10 x 8 mm).
- Supply lines of all kinds.

Temperature range

-40 °C to 60 °C (for pressure utilization see table)

Colour

Polyethylene hose are available in colours natural (N), blue (B), yellow (G), red (R) and black (S)

Polyethylene hose (LD-PE)

Type No.	Tube O.D mm	Tube I.D. mm	Wall thickness mm	Max. operating pressure at 23 °C bar	Bending radius min. mm	Colour	Reel Length m
259.40 X-V2	3	1.5	0.75	17	25	N	25
259.05 X-V2	4	2	1	18	18	N, B, G, R, S	25
259.00-X-V2	5	3	1	13	30	N, B, G, R, S	25
259.01-X-V2	6	4	1	10	30	N, B, G, R, S	25
259.02-X-V2	8	6	1	8	40	N, B, G, R, S	25
259.03-X-V2	10	8	1	6	60	N, B, G, R, S	25
259.43 X-V2	12	9	1.5	8	65	N, B, G, R, S	25
259.23 X-V2	12	10	1	5	60	N, B, G, R, S	25
259.41 X-V2	14	10	2	8	105	N, B, G, R, S	25
259.42 X-V2	16	12	2	7	140	N, B, S	25



Polyethylene hose (LD-PE), roll of 100 m, packed in a paper box

Type No.	Tube O.D mm	Tube I.D. mm	Wall thickness mm	Max. operating pressure at 23 °C bar	Bending radius min. mm	Colour	Reel Length m
259.05 X-100-V2	4	2	1	18	18	N, B, S	100
259.01-X-100-V2	6	4	1	10	30	N, B, S	100
259.02-X-100-V2	8	6	1	8	40	N, B, S	100
259.03-X-100-V2	10	8	1	6	60	N, B, S	100

Tolerances

Outside tolerance	∅ 4 mm - 10 mm	+/- 0.20 mm
	∅ 11 mm - 12 mm	+/- 0.30 mm
Tolerance (roll length)	+/- 2 %	

Pressure utilization

Utilization in %	Temperature
100 %	23° C
83 %	30° C
72 %	40° C
64 %	50° C
57 %	60° C

Applications

	Polyamide 12	Polyethylene
Industrial automation		
Compressed air	•	•
Transport of liquids	•	•
Chemical environments	•	
Micropneumatics	•	
Thermoforming	•	•
Vacuum	•	
Automotive		
Brake systems for trucks	•	
Brake system for trailers	•	
Thermoforming	•	
Fuel line	•	
Coupling system	•	

The applications and areas of application are responsible for the user. All further claims, in particular liability for consequential damages, are in principle excluded.

CHEMICAL RESISTANCE AT 23 ° C		
SUBSTANCE	POLYAMIDE 12	POLYETHYLENE
ACETALDEHYD	o	o
ACETIC ACID	o	o
ACETONE	o	o
ACETYLENE	o	-
AMMONIA LIQUID	o	G
AMYL ACETATE	o	-
ANILINE	G	-
ANTIFREEZE	o	-
BENZOL	G	N
BENZYL ACOHOL	N	G
BROMINE	N	N
BUTANE	o	o
BUTANOL	o	-
CARBON TETRACHLORIDE	L	N
CHLORINE	N	-
CHLOROBENZOL	N	-
CHLOROFORM	N	N
CITRIC ACID	o	-
CONCENTRATED SULPHURIC ACID	N	G
CRESOL	L	N
DECALINE	o	N
ENGINE OIL	o	o
ETHANOL	o	o
ETHER	o	N
ETHYL ACETATE	o	o
ETHYL OXIDE	o	N
FORMALDEYDE	L	o
FORMIC ACID	L	o
FRIGEN F 12 LIQUID	G	-
GASOIL	o	-
GLYCERIN	oG	o
GLYCOLE	o	o
GREESE	o	o
GREESE FOOD	o	o
HEPTANE	o	G
HYDRAULIC OIL	o	o
HYDROCLORIC ACID 1 %	L	o
HYDROCLORIC ACID 10 %	L	o
HYDROFLUORIDRIC GAS	-	-
HYDROGEN PEROXIDE 20 %	L	G
HYDROGEN XXXX	-	o
IODINE TINCTURE	-	-
ISOOCTANE	oG	N
ISOPROPANOL	-	-
KEROSENE	o	-
LACTIC ACID	o	o
MAGNESIUM CHLORIDE 10 %	o	o
MERCURY	o	o
METHANOL	L	o
METHYLENE CHLORIDE	o	N
MILK	o	o

CHEMICAL RESISTANCE AT 23 ° C		
SUBSTANCE	POLYAMIDE 12	POLYETHYLENE
MINERAL OIL	o	o
NAPHTHA	o	-
NAPHTHALENE	o	o
NITRIC ACID	N	N
NITROBENZOL	L	-
OIL ETHER	-	-
OILS	o	-
OLEIC ACID	o	o
OLEUM	L	N
OXALIC ACID	o	o
OXIGEN	o	-
OZONE	L	N
PARAFIN OIL	o	o
PERCHLOROETHYLENE	N	-
PETROL	G	G
PETROLEUM	o	oG
PHENOL	N	N
POTASSIUM CARBONATE	o	-
POTASSIUM HYDROXIDE 10 %	oG	o
POTASSIUM HYDROXIDE 50 %	oG	o
POTASSIUM PERMANGANATE	N	o
PROPANE	o	-
PYRIDINE	N	oG
SALICYLIC ACID	o	-
SEA WATER	o	o
SILICON OIL	o	o
SOAP SUDS	o	G
SODA 10 %	o	-
SODA 50 %	o	-
SODIUM CARBONATE 10 %	o	-
SODIUM CARBONATE 50 %	L	-
SODIUM CHLORIDE (saturated sodium chloride)	o	o
SODIUM CHLORIDE (table salt)	o	o
SODIUM SULPHATE (copper sulphate)	o	o
SODIUM SULPHATE (sodium sulphate)	o	-
STARCH	o	o
STEARIC ACID	o	G
STEARINE	o	-
STYRENE	o	-
SULOHUR CHLORIDE	L	N
SULPHURIC ACID 10 %	L	G
TALLOW	o	o
TARTARIC ACID	o	o
TETRALIN	-	-
TOLUOLE	o	N

CHEMICAL RESISTANCE AT 23 ° C		
SUBSTANCE	POLYAMIDE 12	POLYETHYLENE
TRANSFORMER OIL	o	o
TRICHLORETHANE	L	N
TURPENTINE	o	oG
UREA	o	o
UREIC ACID	o	N
URINE	o	o
VASELLINE	o	o
VINEGAR	o	o
WATER	o	o
WAX	o	-
XYOLO	o	-
ZINC CHLORIDE (WATER BASED)	o	o

O = GOOD RESISTANCE
N = POOR RESISTANCE

G = SWELLING EFFECT
- = NO INFORMATION AVAILABLE

L = LIMITED DURABILITY

THE APPLICATIONS AND AREAS OF APPLICATION ARE RESPONSIBLE FOR THE USER. ALL FURTHER CLAIMS, IN PARTICULAR LIABILITY FOR CONSEQUENTIAL DAMAGES, ARE IN PRINCIPLE EXCLUDED