

PVC universal hoses



AGROFLEX LD

PVC hose reinforced with hard PVC spiral, universal and for food substances

Hose material: green transparent PVC
Reinforcement: white hard PVC spiral
Operating temp: -10°C to +60°C
 (temperature-dependent operating pressure)

Very lightweight and flexible suction and delivery hose for agriculture, food industry and universal applications. Suitable for water, light chemicals, slurries and waste water, plant protection products, other liquids (without grease, oils and hydrocarbons). Also for air, vacuum transfer of dusts, powders, granulates and other **lightly** abrasive bulk substances (non-greasy). Abrasiveness and the possible problem of static electricity must then be taken into account.

In the food industry, it can be used for hydrated foods, acidic foods, alcohols up to 20%, e.g. juices, beverages, beer, wine, (simulants A, B, C; up to +40°C). Not recommended for milk and milk products and food substances containing fats and oils.

Reinforced with hard PVC spiral, impact resistant, provides good resistance to vacuum and hose kinking. Corrugated exterior surface, smooth interior.



AGROFLEX LD hose complies with European requirements 1935/2004/EC, 10/2011/EU (simulants A, B, C), 2023/2006/EC (GMP). It is suitable for temporary food contact for the transfer of food substances - under the conditions specified in the manufacturer's declaration of conformity (available from Tubes International). For additional information on food applications, see chapter "Hoses for food products".



index	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	working pressure 20°C [bar]	Bursting pressure 20°C [bar]	20°C vacuum [bar]	bend radius [mm]	mass [kg/m]	Roll length [m]
FT-AGROFLEX-LD-019	19	24	2,5	6	18	0,6	100	0,180	50
FT-AGROFLEX-LD-025	25	30,4	2,7	6	18	0,6	130	0,250	50
FT-AGROFLEX-LD-032	32	37,8	2,9	6	18	0,6	170	0,330	50
FT-AGROFLEX-LD-038	38	44,4	3,2	5	15	0,6	210	0,420	50
FT-AGROFLEX-LD-040	40	46,8	3,4	5	15	0,6	220	0,460	50
FT-AGROFLEX-LD-045	45	51,8	3,4	5	15	0,6	260	0,530	50
FT-AGROFLEX-LD-050	50	57	3,5	5	15	0,6	280	0,660	50
FT-AGROFLEX-LD-060	60	68	4	4	12	0,5	350	0,840	50
FT-AGROFLEX-LD-063	63	71,2	4,1	4	12	0,5	370	0,900	50
FT-AGROFLEX-LD-076	76	84,8	4,4	4	12	0,5	530	1,150	50
FT-AGROFLEX-LD-090	90	99,6	4,8	3	9	0,4	630	1,550	30
FT-AGROFLEX-LD-100	100	110	5	3	9	0,4	680	1,800	30
FT-AGROFLEX-LD-125	125	136	5,5	2	6	0,3	780	2,800	20
FT-AGROFLEX-LD-150	150	162,6	6,3	2	6	0,3	880	3,800	20

Note: indexes highlighted in colour - most commonly used

Temperature dependence of burst pressure and working pressure for typical PVC hoses	temperature pressure	20°C	30°C	40°C	50°C	60°C	70°C
		100%	74%	55%	40%	30%	22%

You will find a wide variety of food hoses in the section "Hoses for food substances". !

AGROFLEX LD hose DN32 assembled with a 40 mm spaced brass claw coupling (MU-5008) clamped with a strong cast iron clamp (MU-1504) used for water at a stud farm in north-eastern Poland.

