

Rubber hoses for food substances with UPE inner layer



SUPERTOP LL FOOD UPE®

Hose for chemical transfer in the food industry

Inner layer: white polyethylene UPE
Reinforcement: synthetic cord, steel spiral
Outer layer: blue, smooth EPDM rubber
Operating temp: -30°C to +100°C

Robust suction and delivery hose designed to transfer liquid chemicals, including aggressive acids, alkalis, alcohols and other detergents used for cleaning installations in food plants (selection according to the "Chemical hoses" section of this catalogue). The inner layer made of UPE complies with the requirements for contact with food. Widely used in food, cosmetic, chemical and petrochemical industries. Features a copper wire to ensure electrical continuity between hose ends. Abrasion, ozone and weather resistant outer layer. Complies with EN 12115:11 (type M, resistance between hose ends $R \leq 100 \Omega$, guaranteed for hose lengths up to 40 m).

Cleaning:

hot water	steam	hydrogen peroxide		peracetic acid		phosphoric acid	chlorine	sodium hydroxide		nitric acid	
		1%	3%	0,1%	0,5%	5%	1%	2%	5%	0,1%	3%
90°C / 12 h	130°C / 30 min	max 80°C / 30 min	max 50°C / 30 min	max 70°C / 30 min	max 50°C / 30 min	max 80°C / 30 min	max 80°C / 30 min	max 80°C / 30 min	max 50°C / 30 min	max 80°C / 30 min	max 50°C / 30 min

Standards and requirements:

Chemical hoses: EN 12115:2011 Food industry, food contact (inner layer): 1935/2004/EC, 2023/2006/EC (GMP), 10/2011/EU (simulation fluids A, B, D2), FDA 21 CFR 177.1520, BfR III.



Assembly:

Spigot ('tail' to the hose) ends should be used that are smooth and do not have sharp or high notches that could cut or damage the UPE inner layer when clamped. The diameter of the spigot should be exactly matched to the diameter of the hose to ensure tightness. Installation with collets or shell clamps.

index	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	working pressure [bar]	Bursting pressure [bar]	vacuum [bar]	bend radius [mm]	mass [kg/m]	Roll length [m]
IV-SUPUPE-LL-F-019	19	31,5	6,25	16	64	0,9	152	0,78	60
IV-SUPUPE-LL-F-025	25	37	6	16	64	0,9	200	0,96	60
IV-SUPUPE-LL-F-038	38	53	7,5	16	64	0,9	304	1,61	60
IV-SUPUPE-LL-F-051	51	66,5	7,75	16	64	0,9	406	2,20	60
IV-SUPUPE-LL-F-063	63,5	79	7,75	16	64	0,9	508	2,73	60
IV-SUPUPE-LL-F-076	76	91	7,5	16	64	0,8	608	3,22	60

Note: indexes highlighted in colour - most commonly used

SUPERTOP LL FOOD UPE DN38 hose with CAMLOCK type ERS 1.1/2" endpiece in AISI 316 stainless steel. This endpiece has a smooth spigot ("tail"), well matched to the inside diameter of the hose, and a lock (safety collar). This allows clamping with a stainless steel shell clamp matched to the diameter and wall thickness of the hose. This provides a pressure-resistant, yet removable connection.

