

Rubber chemical hoses (EPDM) - for urea and light chemicals



BLUE 10-20 BAR

Specialised hose for urea AdBlue® Layer

inside: black EPDM rubber

Reinforcement: synthetic braid

Outer layer: black EPDM rubber

Operating temp: -40°C to +100°C,
temporarily up to +120°C

Delivery hose specially designed for the transfer of AdBlue® (AUS32, DEF) - 32.5% aqueous urea solution. The inner layer of the hose is black, smooth, antistatic ($R < 10^6 \Omega / m$) EPDM rubber.

vulcanised without sulphur. The inner layer of the hose is not contaminated with aluminium, calcium, chlorine, copper, iron, potassium, magnesium, sodium, nickel and zinc additives, guaranteeing the highest purity of the medium in accordance with ISO 22241-.

This is particularly important in the automotive sector, where AdBlue® acts as a reductant to break down environmentally harmful nitrogen oxides in the SCR catalytic converter. Its use enables the company to meet European EURO 4, 5 and 6 exhaust emission standards. AdBlue® fluid must be very pure to be effective, which necessitates the use of specialised hoses, tanks and fittings that are resistant to AdBlue® and do not contaminate it. Hoses and fittings for AdBlue® should be made of stainless steel or suitable plastic.

In addition to the automotive sector, the hose is also used in the chemical industry, for example in the production of nitrogen fertilisers.

Chemical resistance check: EPDM chemical resistance table (pre-selection), confirmation of resistance and conditions of use by Tubes International.



index	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	working pressure [bar]	Bursting pressure [bar]	bend radius [mm]	mass [kg/m]	Roll length [m]
BLUE 10 BAR								
IV-BLUE10-16	16	23	3,5	10	30	100	0,26	60
IV-BLUE10-19	19	27	4	10	30	115	0,35	60
IV-BLUE10-25	25	36	5,5	10	30	150	0,64	40
BLUE 20 BAR								
IV-BLUE20-08	8	15	3,5	20	60	50	0,15	100
IV-BLUE20-10	10	17	3,5	20	60	60	0,18	100
IV-BLUE20-13	13	20	3,5	20	60	80	0,23	60
IV-BLUE20-16	16	26	5	20	60	100	0,40	60
IV-BLUE20-19	19	30	5,5	20	60	115	0,51	60
IV-BLUE20-25	25	37	6	20	60	150	0,70	40

Note: Indexes highlighted in colour - most commonly used.



BLUE 20 BAR DN19 hose with CAMLOCK connector plug in AISI 316 stainless steel mounted with AISI 304 stainless steel screw clamp.

BLUE 10 BAR DN19 hose with stainless steel filling pistol with swivel joint, mounted with AISI 316 stainless steel worm band.