



Universal hoses for fuels and oils - Biofuel hoses



RME

Fuel hose for biodiesel

Inner layer	NBR special rubber
Reinforcement:	synthetic textile braid
Outer layer:	CR rubber
Operating temp:	-30°C to +100°C (temporarily up to +120°C)

Flexible, soft fuel hose in special NBR rubber resistant to rapeseed oil fatty acid methyl ester (RME). Reinforced with synthetic textile braid. Outer layer made of CR chloroprene rubber, anti-static, self-extinguishing, abrasion, temperature and ageing resistant. Particularly suitable for biofuels based on fatty acid methyl esters (FAME, RME), e.g. biodiesel B10, B20, B100. Can also be used for ordinary diesel.

Chemical resistance check: NBR **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]
EC-101170	6	12	3	15	45	45	0,110	20
EC-101172	8	14	3	15	45	55	0,135	20
EC-101174	10	17	3,5	15	45	70	0,195	20
EC-101177	13	20	3,5	15	45	90	0,240	20
EC-101180	16	23	3,5	15	45	120	0,283	20
EC-101183	19	28	4,5	15	45	130	0,439	20



FPM ECO

Biodiesel fuel hose, high-temperature Liner:

	FPM rubber (viton)
Interlayer:	epichlorohydrin rubber (ECO)
Reinforcement:	aramid textile braid
Outer layer:	epichlorohydrin rubber (ECO)
Operating temp:	-40°C to +125°C

High-quality, multi-layered fuel hose based on the requirements of DIN 73379-3E (11/97). Construction: inner layer made of chemically and temperature-resistant viton (FPM), intermediate layer made of epichlorohydrin (ECO), temperature-resistant and robust aramid fibre braid, outer layer made of epichlorohydrin (ECO) - resistant to temperature, ozone, microcracking. The viton inner layer provides excellent chemical resistance to hydrocarbons, petrochemicals and many aggressive chemicals and additives used in fuels, even at elevated operating temperatures. Particularly recommended for biofuels based on fatty acid methyl esters (FAME), e.g. biodiesel B10, B20, B100. Resistant to rapeseed oil fatty acid methyl ester (RME). Can be used for bio-diesels containing ethanol, e.g. E10, E100. Resistant to phosphate esters (which are also liquid fuel additives). Can also be used for ordinary diesel, petrol, mineral oils. Recommended for demanding applications in terms of high fuel purity, temperature and ageing resistance. It is characterised by low permeation of hydrocarbons through the hose wall.

Chemical resistance check: FPM (FKM) **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]
EC-101155	5,5	11,5	3,0	10	30	60	0,105	20
EC-101158	7,3	13,3	3,0	10	30	70	0,130	20
EC-101160	9,3	15,3	3,0	10	30	80	0,150	20
EC-101162	11,5	17,5	3,0	10	30	90	0,180	20
EC-101163	14,3	21,3	3,5	10	30	110	0,260	20
EC-101165	17,0	24,0	3,5	10	30	125	0,300	20

