



THE RELIABLE ALL-ROUNDER FOR RAIL TRANSPORT

CONTI RAIL EPDM – the rail hose
for a wide range of applications

One hose, many tasks: from cooling and heating systems to sewage pipes and cable protection – durable and safe in transport operations. Available in 6 und 20 bar.

The reliable solution for cooling and waste water, sewage and cable protection in rail transport

CONTI RAIL EPDM – 6 BAR

Applications

The special hose for railway applications is a versatile connecting element. It conveys cooling water, waste water, cooling brine and other media safely and reliably in locomotives and wagons. Suitable for cooling water, waste water or toilet waste, and for protecting cables.

Flow medium

Commercially available cooling water additives in usual concentrations, condensation, toilet waste, rainwater, sewage, treated and untreated cooling water

Standard / Approval

DIN EN

45545-2 HL3
(R22+R23)

Description

Inner lining: EPDM, black, non-porous, smooth

Reinforcements: Synthetic fibres

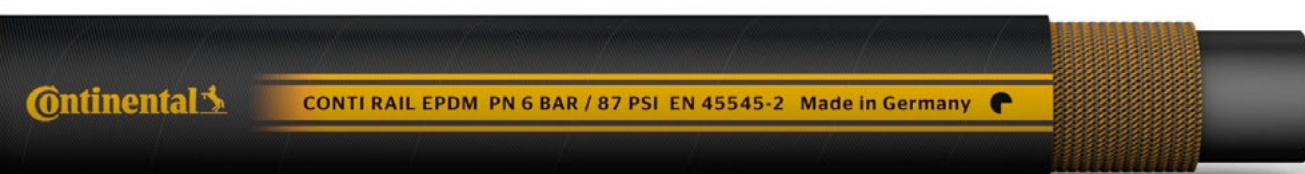
Cover: EPDM, black, fabric patterned, abrasion resistant, resistant to excrement, resistant to ozone, weather and UV

Working pressure up to: 6 bar / 87 psi

Temperature range: from -40 °C / -40 °F up to +95 °C / +203 °F
up to +125 °C / +257 °F

Further properties

- › Meets the requirements of fire and smoke gas toxicity
DIN EN 45545-2 - HL3 for requirement set R22 + R23
- › Inner layer electrically conductive, $R < 10^6 \Omega/m$
- › Transition resistance through the hose wall $R > 10^{11} \Omega/m$
- › Outer layer electrically insulating, $R > 10^{11} \Omega/m$
- › Made in Germany



MARKING: Continental CONTI RAIL EPDM PN 6 BAR / 87 PSI EN 45545-2 Made in Germany

Technical Data

working pressure		nominal width	inner-Ø	wall thickness	outer-Ø	length	helix	min. burst pressure		min. bending radius	weight
bar	psi	Zoll/inch	mm	mm	mm	m	helix	bar	psi	aprx. mm	aprx. g/m
6	87	1/2	13	3,5	20	40		18	261	130	234
6	87	5/8	16	4,5	25	40		18	261	160	374
6	87	3/4	20	4	28	40		18	261	200	385
6	87	1	25	4,5	34	40		18	261	250	526
6	87	1	25	5,5	36	40	•	18	261	125	697
6	87	1 1/8	28	4	36	40		18	261	280	510
6	87	1 3/8	34	6	46	40		18	261	340	987
6	87	1 3/8	35	4	43	40		18	261	350	627
6	87	1 9/16	40	4,5	49	40	•	18	261	200	846
6	87	1 9/16	40	6	52	40	•	18	261	200	1,101
6	87	2	50	8	66	40	•	18	261	250	2,004
6	87	2	50	10	70	40		18	261	500	2,419
6	87	2 3/8	60	6	72	40		18	261	600	1,541

Temperature resistance applies only to materials used / All technical data apply at room temperature / Other dimensions on request / Special designs with insulating inner layer on request

Versatile and resilient – for cooling water, wastewater, and sewage in rail transport

CONTI RAIL EPDM – 20 BAR

Applications

The special hose for railway applications is extremely versatile. It has been developed for use in air-conditioning, heating and drainage systems in locomotives and wagons. Suitable for cooling water, waste water and toilet waste.

Flow medium

Commercially available cooling water additives in usual concentrations, condensation, toilet waste, rainwater, sewage, treated and untreated cooling water

Standard / Approval

DIN EN
45545-2 HL3
(R22+R23)

Description

Inner lining: EPDM, black, non-porous, smooth

Reinforcements: Synthetic fibres

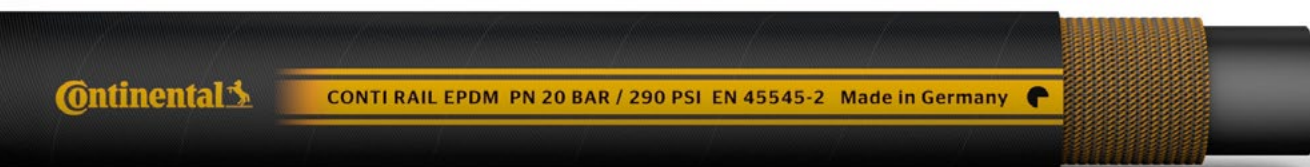
Cover: EPDM, black, fabric patterned, abrasion resistant, resistant to excrement, resistant to ozone, weather and UV

Working pressure up to: 20 bar / 290 psi

Temperature range: from -40 °C / -40 °F up to +95 °C / +203 °F
up to +125 °C / +257 °F

Further properties

- › Meets the requirements of fire and smoke gas toxicity
DIN EN 45545-2 - HL3 for requirement set R22 + R23
- › Inner layer electrically conductive, $R < 10^6 \Omega/m$
- › Transition resistance through the hose wall $R > 10^{11} \Omega/m$
- › Outer layer electrically insulating, $R > 10^{11} \Omega/m$
- › Made in Germany



MARKING: Continental CONTI RAIL EPDM PN 20 BAR / 290 PSI EN 45545-2 Made in Germany

Technical Data

working pressure		nominal width	inner-Ø	wall thickness	outer-Ø	length	min. burst pressure		min. bending radius	weight
bar	psi	Zoll/inch	mm	mm	mm	m	bar	psi	aprx. mm	aprx. g/m
20	290	3/8	10	4	18	40	60	870	100	228
20	290	5/8	15	4	23	40	60	870	150	302
20	290	5/8	16	4	24	40	60	870	160	320
20	290	3/4	19	4	27	40	60	870	190	367
20	290	7/8	22	4.5	31	40	60	870	220	479
20	290	1	25	5	35	40	60	870	250	604
20	290	1 5/8	42	5	52	40	60	870	420	907

Temperature resistance applies only to materials used / All technical data apply at room temperature / Other dimensions on request / Special designs with insulating inner layer on request

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