

ERIFLON 1111

STANDARD

EU 10/2011, FDA 21 CFR177.1550/CFR178.3297 (AS)



Universal, ultra-flexible PTFE high-pressure hose designed for the safe transfer of virtually all chemical media. Its odourless and tasteless PTFE liner ensures full product neutrality, making the hose equally suitable for hygienic applications in the food, cosmetics and pharmaceutical industries. Engineered for installations where space constraints demand maximum flexibility, this hose combines a smooth-bore PTFE core—essential for uninterrupted flow, rapid drainage and simplified cleaning—with outstanding chemical resistance and extremely low permeability to both liquids and gases. The smooth internal surface provides optimised flow dynamics with minimal pressure drop, while the corrugated external PTFE profile delivers exceptional bending performance without compromising pressure capability or mechanical stability. This construction makes the hose an ideal solution for demanding chemical transfer lines, compact process skids, dosing systems and hygienic production environments where reliability, purity and flexibility are critical. Also available in black Anti-static for safe dissipation of static electricity.

LINER

- PTFE, white smoothbore inside and convoluted on the outside, homogenic and extruded interior

TEMPERATURE

- -70°C and +260°C
- > 120°C for every 1°C increase, counting a 1% derating of working pressure

REINFORCEMENT

- Stainless steel AISI316 single braiding

PRESSURE

- Safety factor 4:1

Size	Wall thickness (ca. Δ = OD-ID)	Max. outside diameter	Working pressure	Vacuum	Bend radius	Weight	Max. hose length
	mm	mm	bar	%	mm	kg/m	m
DN06 - 1/4"	1,5	9,5	135	90	13	0,122	18
DN08 - 5/16"	1,6	11,2	140	90	15	0,132	18
DN10 - 3/8"	1,9	13,8	135	90	24	0,202	18
DN12 - 1/2"	2,4	18,0	114	90	37	0,275	18
DN16 - 5/8"	2,4	21,6	102	90	50	0,373	18
DN20 - 3/4"	2,4	24,5	87	90	77	0,417	18
DN25 - 1"	3,5	32,6	65	90	80	0,776	18
DN32 - 1.1/4"	3,6	39,6	63	90	100	0,912	15
DN40 - 1.1/2"	3,9	46,8	55	90	145	1,175	15
DN50 - 2"	4,3	59,1	47	90	250	1,563	18

Technical data at 20°C