TUDERTECHNICA®

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COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV
ISO 9001

TUFLUOR® PTFE HPC



Suction and delivery hose suitable for heat exchange solutions in data center cooling applications under the toughest conditions. The PTFE tube is metal-free, RoHS compliant and with its low friction coefficient ensures an efficient fluid circulation. PTFE offers the best compatibility with PG25 and other deionized water glycol coolant mixes to avoid fluid contamination.

The hose is produced with high quality elastomers, with excellent chemical and mechanical properties.

TUBE
TEFLON™ PTFE, co-extruded clear/white pigmented, smooth. TEFLON™ PTFE is a polymer with excellent resistance to high temperature, mechanical stress, and oxidation.

REINFORCEMENT
Synthetic plies, galvanized wire helices

COVER
Smooth, black technopolymer, flame resistant, cloth finish. Classed V0 according to the criteria of UL 94:2023

TEMPERATURE: -40°C / +150°C (-40°F / +302°F)

NORM:
ISO 1307 for dimensional tolerances
UL 94 V0 on cover compound

Inside diameter		Outside diameter		Vacuum		Working pressure		Burst pressure		Appr. Weight		Bending radius	
mm	*in*	*mm*	*in*	*bar*	*psi*	*bar*	*psi*	*bar*	*psi*	*kg/mt*	*lbs/ft*	*mm*	*in*
13	0,50	24	0,94	0,9	13	10	150	40	600	0,44	0,30	35	1,38
19	0,75	31	1,22	0,9	13	10	150	40	600	0,57	0,38	55	2,17
25	1,00	37	1,46	0,9	13	10	150	40	600	0,85	0,57	75	2,95
32	1,25	44	1,73	0,9	13	10	150	40	600	1,03	0,69	110	4,33
38	1,50	51	2,00	0,9	13	10	150	40	600	1,17	0,79	140	5,51
50	1,97	64	2,52	0,9	13	10	150	40	600	1,55	1,04	200	7,87

Data refer to ambient temperature (20°C). Other diameters, wall thickness and pressure only on specific request.