CONDITION/HT

TPSA0050

APPLICATION

Special thermoplastic hose suitable for suction of air, gas, fumes, reduction of condensation and loss of heat.
For it's special construction, it can be used in all plants of suction and air ventilation also with parts in motion.

- ***Temperature range:*** -25°C +100°C

CONSTRUCTION

- ***Tube:*** layer of additived polyolefinic resins.
- ***Reinforcement:*** steel wire helix.
- ***Cover:*** reticular polyethilene foam of closed cells with external protection of a layer of additive polyolefinic resins.

RETICULAR POLYETHILENE FOAM TYPE CL1

Phisical-Mechanical Properties	U.M.	METHOD	VALUES
Density	Kg/m^3	ISO 845	30
Combustion class		CSE RF2/75° RF3/77	CL1
Thermal conductivity coefficient at 0°C (λ)	W/mk Kcal/mh °C	UNI 7745 ASTM C177 UNI 7745 ASRM C177	0,0344 0,0296
Thermal conductivity coefficient at 40°C (λ)	W/mk Kcal/mh °C	UNI 7745 ASTM C177 UNI 7745 ASRM C177	0.0372 0.032
Coefficient of resistant to steam spread	μ	DIN 52615	>65.000
Steam permeability	Ng/Pa s m	DIN 52616	0.12
Water absorption after 28 days	Vol. %	DIN 53433	<3
Resistance to compression at 10%	g/cm^2	ISO 3386/1	190.00
Dimensional stability	°C	DIN 53431	100
Maximum working temperature	°C		-80 +100
Working temperature under mechanical stress	°C		-40 +100

DIAMETRO INTERNO *INSIDE DIAMETER*		PESO TEORICO *WEIGHT*		PRESSIONE DI ESERCIZIO *WORKING PRESSURE*		ASPIRAZ. *VACUUM*	RAGGIO CURVATURA *BENDING RADIUS*		LUNGHEZZA *LENGTH*	
mm	inch	kg/mt	lbs/ft	bar	psi	bar	mm	inch	mt	ft
50	2”	0.09	0.06	0.70	10.50	0.18	35	1.38”	10	32.8
55	2.1/16”	0.10	0.06	0.70	10.50	0.18	40	1.57”	10	32.8
60	2.3/8”	0.11	0.07	0.70	10.50	0.15	42	1.65”	10	32.8
70	2.3/4”	0.13	0.08	0.60	9.00	0.13	49	1.93”	10	32.8
76	3”	0.14	0.09	0.60	9.00	0.12	52	2.05	10	32.8
80	3.5/32”	0.15	0.10	0.50	7.50	0.09	56	2.20”	10	32.8
102	4”	0.20	0.13	0.40	6.00	0.08	70	2.76”	10	32.8
127	5”	0.25	0.16	0.40	6.00	0.07	90	3.55”	10	32.8
152	6”	0.30	0.20	0.20	3.00	0.05	105	4.13”	10	32.8
160	5.1/8”	0.33	0.22	0.15	2.25	0.05	110	4.33”	10	32.8
180	5.1/2”	0.44	0.29	0.15	2.25	0.05	130	5.11”	10	32.8
203	6”	0.50	0.33	0.15	2.25	0.04	140	5.51”	10	32.8
254	8”	0.60	0.40	0.08	1.20	0.03	175	6.88”	10	32.8

Other diameters and/or pressures are feasible upon request - The characteristics and technical data could be changed without warning.