

INDUFLEX

Corrugated pipe - PA 6 - Standard



Application area

Hose to be applied in machine construction and in automotive industry

Material

PA 6, free of halogens

Chemical resistance

PA 6 is resistant against nearly every medium (alcohol, fat, mineral oil, motor fuel). Only concentrated and strong oxidising acids can affect PA 6.

Physical properties

Raw material:

Elastic modulus [MPa]	DIN ISO 527-1/-2	1400
Impact strength [kJ/m ²]	DIN ISO 179-1 (23°C)	NB
	(-30°C)	NB
Tensile strength [MPa]	DIN ISO 527-1/-2	>50
Elongation at break [%]	DIN ISO 527-1/-2	>100
Volume resistivity [Ω cm]	DIN IEC 60093	<10 ¹³
Surface resistivity [Ω]	DIN IEC 60093	<10 ¹³
Flammability	UL 94	HB

Tube:

Working temperature (permanent)	[°C]	-40 up to +12 0
Working temperature (short term)	[°C]	+150
Fire behaviour		FMVSS 302, DIN 75200

UL-Admission from NW 8,5 up to NW 50 *

UL File E 209725

Art. No. (not slotted)	Art. No. (slotted)	Diameter NW [mm]	Outer Ø AD [mm]	Inner Ø ID [mm]	Bending radius [mm]	Packing unit [m]
NC 06		4.5	7.3	4.3	≥ 8	100
		7F	10.2	7.2	≥ 7	50
NC 08		7.5	10.0	6.7	≥ 13	50
NC 10		8.5	11.7	8.4	≥ 15	50
		8.5 HW	12.9	8.5	≥ 15	50
NC 12		10	13.0	9.9	≥ 20	50
		11 HW	15.7	11.1	≥ 15	50
		12	15.7	12.2	≥ 30	50
NC 16		13	15.8	12.7	≥ 35	50
NC 18		14	18.5	14.2	≥ 40	50
NC 20		17	21.2	16.6	≥ 45	50
NC 22		19	24.3	19.3	≥ 50	50
NC 25		22	25.4	21.3	≥ 50	50
NC 28		23	28.3	23.2	≥ 55	50
NC 30		26	31.2	25.8	≥ 60	25
NC 32		29	34.5	29.0	≥ 65	25
NC 40		37	42.4	36.0	≥ 90	25
NC 50		50	53.8	48.1	≥ 100	25

Tolerances in mm		
Diam/NW	outside	inside
4,5 to 16	+/- 0.3	+/- 0.3
17 to 29	+/- 0.4	+/- 0.4
34 to 50	+/- 0.5	+/- 0.5

Subject to modifications and amendments! / May07
No UL-Admission for Diam. 8,5 HW and 11 HW
as well! as for all slotted pipes !!