

INDUFLEX

Flame-retardant corrugated pipe - PA 6



Application area

Hose to be applied in machine construction and in automotive industry

Material

PA 6, free of halogens, flame-retardant

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 ¹¹
Surface resistivity [Ω]	DIN IEC 60093	<10 ¹³
Flammability	UL 94	V0

Tube:

Working temperature (permanent)	[°C]	-40 up to +105
Working temperature (short term)	[°C]	+125
Fire behaviour		FMVSS 302, DIN 75200, UL File E 209725
UL-Admission from NW 17 up to NW 50* (No UL-Admission for all slotted pipes)		

Art. No. (not slotted)	Art. No. (slotted)	Diameter NW [mm]	Outer Ø [mm]	Inner Ø [mm]	Bending radius[mm]	Packing unit [m]
TP0043001U8	TP1043001U8	4,5	7.3	4.3	≥ 8	100
TP07F3050U8	TP17F3050U8	7F	10.2	7.2	≥ 7	50
TP0073050U8	TP1073050U8	7,5	10.0	6.7	≥ 13	50
TP0853050U8	TP1853050U8	8.5	11.7	8.4	≥ 15	50
TP0103050U8	TP1103050U8	10	13.0	9.9	≥ 20	50
TP0123050U8	TP1123050U8	12	15.7	12.2	≥ 30	50
TP0133050U8	TP1133050U8	13	15.8	12.7	≥ 35	50
TP0143050U8	TP1143050U8	14	18.5	14.2	≥ 40	50
TP0173050U8	TP1173050U8	17	21.2	16.6	≥ 45	50
TP0193050U8	TP1193050U8	19	24.3	19.3	≥ 50	50
TP0223050U8	TP1223050U8	22	25.4	21.3	≥ 50	50
TP0233050U8	TP1233050U8	23	28.3	23.2	≥ 55	50
TP0263025U8	TP1263025U8	26	31.2	25.8	≥ 60	25
TP0293025U8	TP1293025U8	29	34.5	29.0	≥ 65	25
TP0373025U8	TP1373025U8	37	42.4	36.0	≥ 90	25
TP0503025U8	TP1503025U8	50	53.8	48.1	≥100	25
TP0563025U8	TP1563025U8	56	67.9	56.3	≥100	25
TP0703025U8	TP1703025U8	70	79.2	66.5	≥130	25
TP0953010U8	TP1953010U8	95	106.0	91.0	≥150	10

Subject to modifications and amendments! / October 2023