

POLYFLEX NP



Mobility

Introducing POLYFLEX NP (Normal Profile) corrugated tubing, the solution for safeguarding cables in high-abrasion and high-compression environments. Its innovative design ensures flexibility while providing robust protection, thanks to its corrugated structure.



- Mechanical & Abrasion Protection
- Compression Resistance
- Suited for harsh environments



- **Product family:**
Convoluted Tubing
- **Options:**
Slit or Non-Slit
- **Materials:**
Polypropylene
Polyamide
Thermoplastic elastomer



Environments:

- Interior
- Engine
- HEV/EV
- Battery
- Cooling System
- Brake Line
- HVAC (*Heating, Ventilation and Air-Conditioning*)

PHYSICAL PROPERTIES

Properties	Test Method	LD-PE_BS	PPST	PA6	PA6BS	PPBS
Standard colors without stripe	-	Black	Black	Black, orange	Black	Black
Long term aging (3000h)	-	80°C	105°C	120°C	120°C	125°C
Short term aging	-	240h / 90°C	350h / 135°C	240h / 150°C	240h / 150°C	240h / 150°C
Density (g/cm³)	ISO 1183	0.94 g/cm³	0.91 g/cm³	1.13 g/cm³	1.2 g/cm³	0.91 g/cm³
Flammability	FMVSS 302 UL 94	self-extinguishing -	< 100 mm/min -	< 100 mm/min -	- V0	- V2

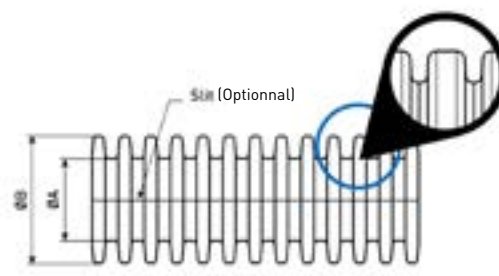
Properties	Test Method	PPMOD	PAER	TPC-EE	ETFE-TOP 200
Standard colors without stripe	-	Black, orange	Black, orange	Black	Black
Long term aging (3000h)	-	135°C	150°C	175°C	200°C
Short term aging	-	240h / 160°C	240h / 175°C	187h / 190°C	240h / 225°C
Density (g/cm³)	ISO 1183	0.91 g/cm³	1.13 g/cm³	1.26 g/cm³	1.74 g/cm³
Flammability	FMVSS 302 UL 94	self-extinguishing -	self-extinguishing -	< 100 mm/min -	self-extinguishing -

Other colors upon request

DIMENSIONS

Designation	ID (ØA) min*	OD (ØB) max*
POLYFLEX NP 03	2.8	5.1
POLYFLEX NP 04.5	4.7	7.1
POLYFLEX NP 06	6.0	9.2
POLYFLEX NP 07.5	6.6	10.0
POLYFLEX NP 08.5	8.4	11.7
POLYFLEX NP 10	9.7	13.0
POLYFLEX NP 12	12.0	15.7
POLYFLEX NP 13	12.6	15.8
POLYFLEX NP 14	14.2	18.5
POLYFLEX NP 16	15.0	18.9
POLYFLEX NP 17	16.6	21.2
POLYFLEX NP 19	19.2	24.0
POLYFLEX NP 22	21.0	25.5
POLYFLEX NP 23	23.2	28.3
POLYFLEX NP 26	25.9	31.3
POLYFLEX NP 29	29.0	34.5
POLYFLEX NP 37	36.0	42.4
POLYFLEX NP 50	47.7	54.0

* Dimensions may vary depending on the material grade.
Please refer to your Delfingen Sales Representative for further information.



PACKAGING

Containers
Coils
Cut lengths