



PAFR Flexible Polyamide 6 Conduits (EN)



Polyamide 6 Flexible Corrugated Conduit with Enhanced Fire, Smoke & Toxicity confirming to Highest Hazard Category HL3 of EN 45545-2

Characteristics

- Colors Black & Grey
- High Ultra- Violet Rays Resistance
- Free from Halogen, Cadmium, Sulphur & Phosphorous
- Highly Resistant to Solvents, Oils, Greases & Diluted Bases

Applications



Rail Vehicles (External Applications)



Earth Moving Equipment

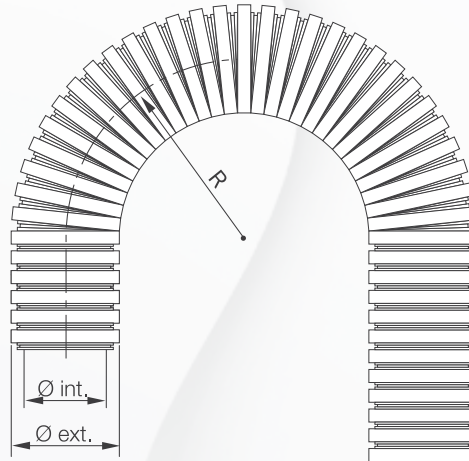


Heavy Industrial Machinery

PROPERTY	VALUE	CLASS	TEST METHOD
THERMAL PROPERTIES			
Lower Temp Range	-15°C	3	IEC EN 61386
Upper Temp Range	+120°C	4	IEC EN 61386
Short Term Temp	Up to +150°C		
MECHANICAL PROPERTIES			
Compression Strength	320 N	2	IEC EN 61386
Tensile Strength	250 N	2	IEC EN 61386
Suspended Load Capacity	150 N	3	IEC EN 61386
Impact Strength (+23° C)	>13.5 J		IEC EN 61386
(- 15° C)	>6 J	4	IEC EN 61386
Reverse Bending	5000	4	IEC EN 61386
Protection Class	IP68		IEC EN 61386

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PROPERTY	VALUE	TEST METHOD
Fire Performance	S4/SR2/ST2	DIN 5510-2
	Non Flame Propagating	EN61386-1
Heat Release Rate	HL3	EN45545-2 (ISO 5660)
Smoke Density & CIT	HL3	EN45545-2 (ISO 5649)
Self Extinguishing Class	I3	NFF 16-101
Limiting Oxygen Index	> 25	ISO 4589
Glow Wire Flammability Index	850°C	IEC 60695-2/12
Comparative Tracking Index	600 V	IEC 112
Smoke Emission Class	F3	NFF 16-101 & 102
Free from Halogens	Yes	DIN 53474



DIMENSIONAL DETAILS

PART NUMBER	NW	INNER DIA (MM)	OUTER DIA (MM)	STATIC BEND RADIUS (MM)	PPQ (MTR)
PAFR-07X	7	6.5	10	13	50
PAFR-10X	10	10	13	20	50
PAFR-12X	12	12	15.8	35	50
PAFR-17X	17	15.2	21.2	45	50
PAFR-23X	23	22	28.5	55	50
PAFR-29X	29	27.2	34.4	65	50
PAFR-36X	36	35	42.5	75	30
PAFR-48X	48	46.5	54.4	90	30

X - Black (B), Grey (G)