



PAFF Flexible Polyamide 12 Conduits



Light Weight, Highly Flexible Corrugated Conduit made from special grade Polyamide 12 designed for Robotics and Automation Applications

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

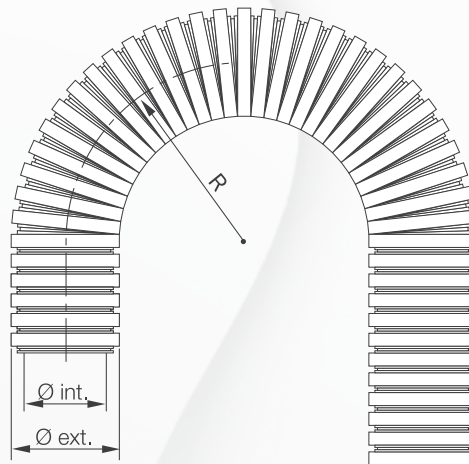


Heavy Industrial Machinery

PROPERTY	VALUE	CLASS	TEST METHOD
THERMAL PROPERTIES			
Lower Temp Range	-45°C	5	IEC EN 61386
Upper Temp Range	+95°C	3	IEC EN 61386
Short Term Temp	Up to +120°C		
MECHANICAL PROPERTIES			
Compression Strength	320 N	2	IEC EN 61386
Tensile Strength	500 N	3	IEC EN 61386
Suspended Load Capacity	150 N	3	IEC EN 61386
Impact Strength	6 J	4	IEC EN 61386
Reverse Bending	400000		MV-FLV-09-01
Protection Class	IP68		IEC EN 61386

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PROPERTY	VALUE	TEST METHOD
Fire Performance	V-0	UL94
	S4/SR2/ST2	DIN 5510
Limiting Oxygen Index	> 25	ISO 4589
Glow Wire Flammability Index	850°C	IEC 60695-2/10
Free from Halogens	Yes	DIN 53474



DIMENSIONAL DETAILS

PART NUMBER	NW	INNER DIA (MM)	OUTER DIA (MM)	STATIC BEND RADIUS (MM)	PPQ (MTR)
PAFF-07X	7	6.5	10	13	50
PAFF-10X	10	10	13	20	50
PAFF-12X	12	12	15.8	35	50
PAFF-17X	17	15.2	21.2	45	50
PAFF-23X	23	22	28.5	55	50
PAFF-29X	29	27.2	34.4	65	50
PAFF-36X	36	35	42.5	75	30
PAFF-48X	48	46.5	54.4	90	30
PPFF-70X	70	66.4	81.0	195	10
PPFF-95X	95	91.0	108.00	300	10

X - Black (B), Grey (G)