



PIET Polyetherimide Conduits for Extreme Temperature Applications



Specially formulated Polyetherimide Flexible corrugated conduit with Extreme Temperature Resistance & Fire Properties

Characteristics

- Colors Black
- High Ultra- Violet Rays Resistance
- Free from Halogen, Cadmium, Sulphur & Phosphorous
- Highest Standards of Fire Safety
- Inherently Fire Retardant
- Highly Inert to Water
- Very Low Smoke density and Toxicity

Applications



Rail Vehicles (External Applications)



Earth Moving Equipment

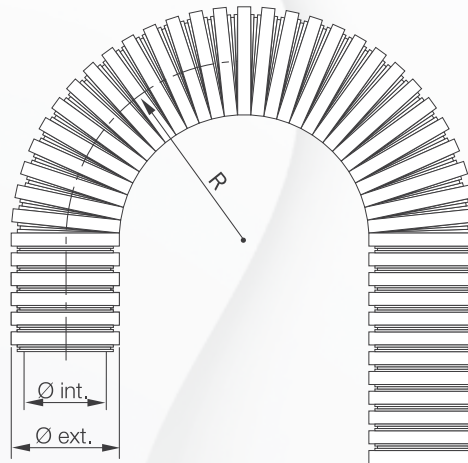


Heavy Industrial Machinery

PROPERTY	VALUE	CLASS	TEST METHOD
THERMAL PROPERTIES			
Lower Temp Range	-80°C		MV-LT-09-01
Upper Temp Range	+180°C		MV-HT-09-01
Short Term Temp	Up to +200°C		
MECHANICAL PROPERTIES			
Compression Strength	250 N	2	IEC-61386
Tensile Strength	>250 N	2	IEC-61386
Impact Strength	6 J	4	IEC-61386
Reverse Bending	5000 Cycles	4	IEC-61386
Protection Class	IP68		IEC EN 61386

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PROPERTY	VALUE	TEST METHOD
Fire Performance	Non Flame Propagating	EN61386-1
Self Extinguishing Class	I3	NFF 16-101
Free from Halogens	Yes	DIN 53474
Flammability	V0	UL94
Limiting Oxygen Index	> 45 %	ISO 4589-1



DIMENSIONAL DETAILS

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

X - Black (B), Grey (G)