



PPFS Fire Retardant Polypropylene Conduits



Flexible Corrugated Conduits made from special Grade PolyPropylene that offers Excellent Flexibility & Fire Safety usually required for Rail Vehicles, Naval & Transport Applications

Characteristics

- Colors Black
- Free from Halogen, Cadmium, Sulphur & Phosphorous
- Highly Resistant to Solvents, Oils, Greases & Diluted Bases

Applications



Rail Vehicles (External Applications)



Earth Moving Equipment

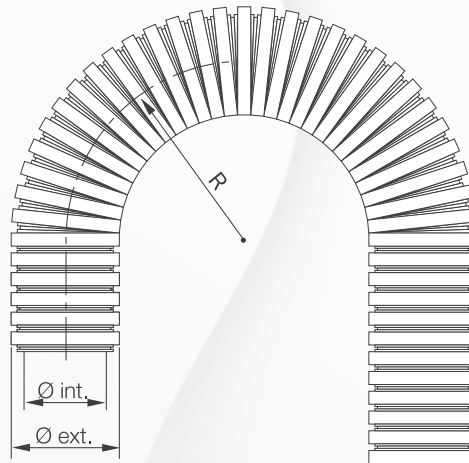


Heavy Industrial Machinery

| PROPERTY | VALUE | CLASS | TEST METHOD |
|------------------------------|--------------|-------|--------------|
| THERMAL PROPERTIES | | | |
| Lower Temp Range | -25°C | 4 | IEC-61386 |
| Upper Temp Range | +95°C | 2 | IEC-61386 |
| Short Term Temp | Up to +120°C | | |
| MECHANICAL PROPERTIES | | | |
| Compression Strength | 320 N | 2 | IEC-61386 |
| Tensile Strength | 250 N | 2 | IEC-61386 |
| Impact Strength | 3 J | 3 | IEC-61386 |
| Reverse Bending | 5000 | 2 | IEC-61386 |
| Protection Class | IP68 | | IEC EN 61386 |

PPFS Fire Retardant Polypropylene Conduits

| PROPERTY | VALUE | TEST METHOD |
|-----------------------|-----------------------|-------------|
| Fire Performance | V-0 | UL94 |
| | Non Flame Propagating | EN61386-1 |
| Limiting Oxygen Index | > 34 | ISO 4589-1 |
| Free from Halogens | Yes | DIN 53474 |



DIMENSIONAL DETAILS

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

X - Black (B), Grey (G)