

HFTE2

HALOGEN FREE HFT Pipe



Features

- Environmentally friendly -Green Star Rated
- Suited for ASD Smoke Detection System
- Medium Duty (Grey)
- Can be produced in any colour (subject to quantities)
- In accordance with AS/NZS 2053-UL 94-HB
- High chemical resistance
- Operating temp -40°C to 110°C
- Suitable for outdoor use

Description

The plastic for use in the production of Halogen-free conduit contains no chlorines or heavy metals and thus offers decisive advantages over conventional systems.

- Provides significant environmental features compared to PVC
- No Corrosive or acidic gas formation in fire situations and no secondary damages to electronic equipment, machines and buildings
- No aggressive fumes which endanger the lives of humans and animals
- Available with or without "Air Sampling" markings
- Reduced smoke density, giving better visibility at fire exits & for rescue team

| Technical Specifications | |
|--------------------------|----------------------------------|
| Part code | HFTE2 |
| Length | 4 metre |
| Outside diameter | 25mm |
| Inside diameter | 21.4mm |
| Temperature Range | -40°C to 110°C |
| Standard colour | Light grey |
| Joining Adhesive | HFTDP8010 solvent (NOT PVC glue) |

- Available with or without "Air Sampling" markings



★ **'Go Green' HALOGEN FREE**



| MATERIAL PROPERTIES | VALUE | UNIT | TEST METHOD |
|---|--------|--------------------|--------------------|
| Density | 0.9 | g/cm ³ | ASTM D792 |
| Flexural Modulus | 14,000 | kg/cm ² | ASTM D790 |
| Elongation at Break | >500 | % | ASTM D638 |
| IZOD Impact Strength (Notched, 23°C) | >50 | kg-cm/cm | ASTM D256 |
| Rockwell Hardness | 85 | R Scale | ASTM D785 |
| Tensile Strength at Yield | 240 | kg/cm ² | ASTM D638 |
| Halogen Content | 0 | % | Ion Chromatography |
| UV Resistance (Black) | >50 | years | |
| UV Resistance (Grey) | 5-10 | years | |
| Thermal Conductivity at -20°C | 0.24 | W/m K | |
| Co-efficient of Thermal Expansion | 0.15 | mm/m/°C | |
| FIRE BEHAVIOUR | | | |
| Flame Retardancy | VO | | UL 94 |
| Flame Retardancy | 32 | % | L.O.I. |
| Smoke Characteristics | 1-2 | Indice | AS/NZS 1530.3:1999 |
| PERFORMANCE | | | |
| Max. Working Temperature | 105 | °C | |
| Min. Working Temperature | -20 | °C | |
| JOINING METHOD | | | |
| Adhesive | >2.3 | MPa | |
| STANDARDS COMPLIANCE | | | |
| AS / NZS 1345 "Content Identification....." | | | |
| AS / NZS 2053 "Conduits & Fittings....." | | | |

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| BS / EN 61386-21 " Conduit Systems....." | | | |
| IEC 60423 "Conduit Systems....." | | | |
| ISO9001:2008 Quality Management | | | |
| ISO14001:2004 Environmental Management | | | |
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