

FEATURES

- ✓ Suitable for cold stores/tunnel applications
- ✓ No halogens are present in this product
- ✓ Suitable for general recycling processes
- ✓ Lighter in weight
- ✓ No leachate in sub-soil installations
- ✓ Higher Impact Resistance
- ✓ Superior U.V. Resistance
- ✓ Superior weather ability
- ✓ Lower embodied energy
- ✓ No MEK solvent used for joining



TEMPERATURE RESISTANCE

The high temperature resistance markedly improves the operational reliability of electrical systems thus opening a wide range of application possibilities (air sampling systems, lighting).

APPLICATIONS

This applies to a high degree in:

- ✓ High-tech industrial plants
- ✓ Hospitals, schools, hotels, museums, theatres, shopping and conference centres
- ✓ Computer & telecommunication installations
- ✓ Tunnels, airports and subway systems
- ✓ Power plants & oil refineries
- ✓ Robotic systems
- ✓ Lifts and emergency plants
- ✓ Ships, aircraft, trains & automotive industries
- ✓ Air sampling systems
- ✓ High rise buildings and high density buildings

In many cases the considerable mechanical strength of the semi-rigid conduit makes it a viable and practical alternative to steel equivalents.

The term 'HFT' represents 'Halogen Free', 'Fire Resistant', & 'Temperature Stability'

Note: This is an indent item, lead times of up to 8 weeks may apply.

MATERIAL PROPERTIES

| | Value | Unit |
|-------------------------------------|--------|--------------------|
| Density | 0.9 | g/cm ³ |
| Flexural Modulus | 14,000 | kg/cm ² |
| Elongation at break | 0.500 | % |
| IZOD impact strength (notched, 23°) | >50 | kg-cm/cm |
| Rockwell hardness | 85 | R scale |
| Tensile strength at yield | 240 | kg/cm ² |
| Halogen content | 0 | % |
| 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

| | Value | Unit |
|-----------------------|---------------|------|
| Flame retardancy | V0 | |
| Flame retardancy LOI | 38.5 | % |
| Smoke characteristics | <10 @ 60 sec. | |

PERFORMANCE

| | Value | Unit |
|--------------------------|-------|------|
| Max. working temperature | 140 | °C |
| Min. working temperature | -40 | °C |

JOINING METHOD

| | Value | Unit |
|----------|-------|------|
| Adhesive | >2.3 | MPa |