

PRODUCT DATA SHEET

Intumescent Thermoplastic Composite for Building Infrastructure

Properties

• State:	• Solid
• Colour	• White
• Specific Gravity	• 1.6 g/mL
• Durometer Hardness (D)	• 68
• Dielectric Strength	• 9.7 kV/mm
• Hot Wire Ignition	• 120+s
• Volume Resistivity	• 1.8E16 ohm-cm (35 ±1°C / 90 ± 2% RH)
• Melting Point:	• 132 °C
• Start Expansion Temperature:	• 200 °C
• Free Expansion Rate:	• 10 – 15X
• Tensile Modulus:	• 273 Mpa ASTM D638-10
• Tensile Strength:	• 8.5 Mpa ASTM D638-10
• Tensile Elongation at yield:	• 51.0 % ASTM D638-10
• Tensile Elongation at break:	• 57.0 % ASTM D638-10
• Flexural Modulus:	• 327 Mpa ASTM D790-10
• Flexural Yield Stress:	• 8.3 Mpa ASTM D790-10
• Flexural Yield Displacement:	• 42.4 mm ASTM D790-10

Features

- Injection molded into custom shapes
- Custom extruded profiles
- Can be drilled, cut, milled, turned to various configurations

All Statements, technical information and recommendations contained herein are believed to be accurate and reliable but are presented without guarantee on our part. Values presented above are nominal and only to be used as guidelines.