TECHNICAL DATA SHEET



TD029-11-2019

Product Number: 29

Intumescent Cable Tray Pillows

Description:

This is a true intumescent compressible pillow, filled with fireproof sponge and intumescent material. The pillow covering is coated glass-cloth which alone gives up to 4 hours of fire protection. In a fire, the pillow's stitching breaks and the intumescent pillow contents expand around and between the cables to fill up the opening. For use where cable trays pass through fire-rated ceilings, floors and walls. Supplied with a fitted cord and retention tag which can be riveted or screwed onto the cable tray.

Material Specification:

Multigraf Intumescent material chemical constitution

Mineral Wool Fibre 20-70% by weight Exfoliating Graphite 20-60% by weight Organic Binder (including adhesive coating) 5.0-30% by weight

Sponge properties

Physical form/appearance: Solid, voluminous material, more or less elastic.

Colour: Varies according to manufacture.

Specific gravity: 10-600 kg/m³
Solubility in water: Insoluble

Odour: None or mild odour Flash ignition point: Between 315°c to 370°c

Decomposition temperature: Above 180°c Thermal energy: 28 000 KJ/kg

Stability and reactivity: The product is stable at temperatures between

- 40°c and +12°c

Auto-ignition point: Between 370°c to 427°c (ASTM D 1929)

Test Details:

<u>Integrity</u> <u>Insulation</u>

Chiltern RF95001 181 Minutes 181 Minutes