



Safety Data Sheet

Thermaflex Flexalen Corrugated Tubes

Vers. 1/04

1. Identification of

1.1 Product Thermaflex Flexalen Corrugated Tubes

1.2 Company Production plant NL
Thermaflex Isolatie bv
Industrieterrein Haven
Veerweg 1
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Safety responsible: Gerrit-Jan Baars

1.3 Emergency phone number Do call Thermaflex Isolatie bv
+31 - 416 567736
Maikel Renders



- 2. Product description:** ThermoFlex Flexalen Corrugated Tubes are produced in a continuous extrusion process. ThermoFlex Flexalen Corrugated Tube is based on polyolefin polymers (HDPE).
- 3. Hazards identification**
- HDPE will burn when provided with an adequate amount of heat and oxygen; therefore do not expose the material to any flame or other source of ignition or heat.
- Inhalation: When burning, smoke cause mechanical Irritation on the respiratory tract. Coughing.
- Skin Contact: Material is unlikely to cause irritation, but if contact with molten material occurs, treat as for thermal burn (see also section 4).
- Eyes: Smoke can cause mechanical irritation; Red Eyes. Contact with hot or molten material may cause severe injury.
- 4. First aid measures**
- After contact to skin or eyes: No special measures. See 11 oxicological information
- In case of fire: if smoke gases are inhaled, which contain mainly carbon dioxide (CO₂) and carbon monoxide (CO): Fresh air and possibly artificial respiration (call immediately a doctor) are the recommended measures. If headache, nausea or vomiting occur, contact a doctor. If body skin is burned through contact with molten
- Corrugated Tube: Cool burned parts with water, but do not remove the material from the skin. If skin burn grad 2 or 3 is reached: call immediately a doctor. In case of ingestion: no danger of toxicity; this material is biologically inactive.
- 5. Fire fighting measures**
- Fire extinguishing mediums are:
Water spray, extinguishing foam, CO₂-extinguisher.
Use respirator/oxygen masks in enclosed areas.
Avoid dense smoke and do not inhale the smoke gases from combustion.
Use safety glasses and protect skin/body with protective clothing against molten ThermoFlex Flexalen Corrugated tubes.



- 6. Accidental release measures** Not applicable

- 7. Handling and storage**
 - 7.1 Handling** Practice reasonable care as a normal safety precaution. Fabrication areas should be well ventilated to carry away fumes, vapours and dust. Operatives should be assured of a supply of fresh air. The working environment should be kept clean and free of dust.

 - 7.2 Storage Practice** reasonable care and cleanliness; provide adequate distance between stacks as a safety precaution. Do not expose to any source of flame, ignition or heat.

- 8. Exposure controls/personal protection**
 - Hand protection:
Wear gloves (cotton, wool or leather), when working in fabrication areas utilising heat processes, to prevent from possible thermal injury from hot material.

 - Eye protection:
Use goggles or face masks, when working in fabrication areas utilising heat processes, to prevent possible contact with hot material and thermal injury.

 - Body protection:
Wear clothes and shoes, to protect the full bodyskin, especially when working in fabrication areas utilising heat processes, to prevent possible thermal injury (burns).



9. Physical and chemical properties

Appearance: Solid (at +20 °C)
 Form: Corrugated Tube
 Colour: Black
 Odour: Weak paraffinic
 Melting Point: 120-150 °C
 Decomposition Temp.: >300 °C
 Flash Point: >350 °C
 Auto Ignition Temp.: >160 °C
 Explosive properties: none
 Apparent density: 30-35 kg/m³
 Solubility in: water: insoluble
 organic solv.: insoluble (only soluble in some aromatic hydrocarbons and/or n-paraffines (>C₁₄) at high temperatures)

10. Stability and reactivity

Avoid any temperature >120 °C.
 Avoid any contact with strong oxidising chemicals.
 Dangerous decomposition products: decomposition gases/vapours in heat fabrication processes; combustion gases in case of fire.

11. Toxicological information

Toxicologically harmless.

12. Ecological information

Environmentally harmless:
 - insoluble in water: no contamination
 - insoluble in most solvents
 - degradable only by UV light (very low UV degradability)

13. Recycling & Disposal Considerations

Recycling: 100% recyclable to be used in own products.
 Disposal: When disposing of any wastes, observe all applicable national and local regulations.

14. Transport information

No restriction and non dangerous material in relation to transportation regulations according to regulations ADR/RID, IMO and IATA

15. Other information

For additional product information contact Thermaflex Isolatie BV.