



# **I N F O R M A T I O N**

**on**

**Product safety and environmental  
awareness relating to finished and  
semi finished products**

**Trade name:** PVC-rigid film (INEOS Films)

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**Product description:**

Unplasticized polyvinyl chloride film

**Physical properties and safety requirements:**

Melting/deformation temp.: > 160°C;  
Vicat softening temp. approx. 73°C

Inflammable gases: none, providing guidelines are observed

Decomposition temperature: > 130°C for long-term exposure  
> 250°C for short-term exposure  
(e.g. hot moulds).

Note: Thermal decomposition occurs very slowly at lower temperatures but accelerates at higher temperatures.

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**Handling/Regulations:**

INEOS Films are not subject to the „Dangerous Materials Act“(GefStoffV) as amended 23. Dec. 2004.

The monomeric content of polyvinyl chloride polymer as used in PVC film is less than 1 ppm in compliance with the regulation on VC commodities dated 23. Dec. 1997 and EC guideline 78/142/EC dated 30. Jan. 1978.

USA: INEOS Film is an article and therefore not subject to TSCA.

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**Transport/Storage:**

No dangerous goods classification applies for transport.  
The goods can be stored under normal indoor conditions away from direct sunlight.

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## Accidents/Fire:

Unplasticized PVC is self-extinguishing when removed from the flame.

Inflammable gases:           The principal products involved when PVC is burnt are the non-flammable gases hydrogen chloride, CO<sub>2</sub>, CO as well as soot and water.

Decomposition temp.:       > 250°C, normally exceeded in a fire, ignition temp. FIT\*  
390°C according to ASTM D1929.

Extinguishing agents:       Water, foam, powder, CO<sub>2</sub>

For fire fighting, breathing apparatus independent of outside air is necessary. After skin contact with molten PVC, seek medical advice.

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## Waste disposal:

Unless local regulations dictate otherwise PVC film is suitable for burial in conventional waste dumps or can be burned in modern incinerators. INEOS films do not contain heavy-metal-based additives such as cadmium, lead, mercury or antimony.

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## Other:

Adequate ventilation of the working area is recommended when PVC-film is being „hot processed“ so as to avoid any problems of fumes disagreeable outdoors. Static electricity may be a problem when PVC-film is being processed at high speeds. Various methods of prevention are available and are particularly important in situations where explosive atmospheres exist. It is also recommended that personnel handling statically-charged films should be protected.

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This information is based on the most up-to-date knowledge available to us and is given in good faith but without warranty.

It is intended as a guide to handling techniques for INEOS Films at all stages of processing.

It is not a guarantee of specific properties or characteristics.

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- FIT = Flash Ignition Temperature