

**Material Safety Data Sheet ( 91/155EEC)**

Reviewed on: 04.05.2017

**1. Product Manufacturer / Identification**

Product Identification: Coextruded BOPP film (POLEX, POLIN &amp; POLSIVE)

Recommended Use: Food Packaging &amp; Associated Applications

Manufacturer: Polfilm

Head Office: No. 6, Riahi St, Karaj Makhsous Road, Tehran - Iran

Post Code: 13919 - 47611      Tel: (+98) 2144634400 - 7      Fax: (+98) 2144640224

**2. Composition**

Chemical Characterisation: Polypropylene (up to 100 %)

Cas No.: 9003-07-0

Form: film

Odour: None

Color: Transparent

The product does not contain any hazardous substances according to the EU Directives 1955/45/EC and 67/548/EEC.

**3. Hazard Identification**

No Specific danger is associated to the normal industrial utilisation of the product. However, it is to be considered that plastic film left of the ground of working areas are slippery, and that during converting of film rolls electrostatic discharges can be generated.

**4. First Aid Measures****Inhalation/ingestion:**

Considering the physical form of the product, inhalation and/or ingestion are not likely to be possible during normal use. For inhalation of fumes, see section 5.

**Skin Contact:**

In case of skin injuries due to melting material, seek medical assistance.

**5. Fire Fighting Measures**

Polypropylene film is not a flammable material, but it will burn if exposed to flames, giving off harmful fumes that should not be inhaled. Molten droplets of polymer can be produced, which could ignite adjacent flammable and/or combustible materials.

**Self-ignition temperature:** > 400 °C**Combustion products:**

By direct ignition the product burns with flames, developing H<sub>2</sub>O, CO<sub>2</sub> & in case of oxygen defect, also CO. The fire products are irritant & toxic.

**Decomposition products:**

In the growth stages of fires (particularly between 400 - 700 °C) other products as hydrocarbons and aldehydes (acetaldehyde, crotonaldehyde) may be formed.

**Recommended extinguishing media:** water, foam**First aid:**

In case of the inhalation of fumes, the affected person should be removed to fresh air as soon as possible, kept warm and artificial respiration applied as necessary. Medical attention should be obtained immediately.

skin or clothing contaminated by molten polymer should be drenched with clean cold water until cool. In case of skin contact by molten material, the patient should be referred for immediate medical attention and under no circumstances should any attempt be made to peel the solidified polymer off the skin.

**Hazchem code:** Not available

**6. Accidental release measures:**

Collect the film in order to avoid possible slipping of personnel on the floor.

**7. Handling and storage:**

Film rolls and pallets are heavy. Film edges are sharp and may cause cuts / wounds. Exercise in handling the material, most care.  
Store films at ambient temperature and humidity (preferably 25 °C, 50% relative humidity) in original packaging.  
Store away from heating sources, avoid static electricity buildup. When pallets are stored in racks, it should be checked whether the pallets fit the racks.

**8. Exposure controls / personal protection**

During normal handling protective gloves and the usual protective equipment are recommended.  
If there is any possibility of contacting molten film (e.g.: nearby the sealing bars or the heated rollers of packaging machines). Heat protective gloves are recommended.

**9. Physical and chemical properties:**

These are indicative values only and should not be regarded as product specification.

**General information:**

Appearance: plastic film                      Physical state at 20 °C: solid                      color: transparent

**Important health, safety and environmental information:**

Melting range: 160 - 165 °C                      Flash temperature (ASTM D1929): 350 °C

Auto ignition temperature: >380 °C                      Density at 20 °C: 550 - 1000 kg/m<sup>3</sup>

Softening point: 165 °C                      Solubility in water: insoluble

**10. Stability and reactivity:**

The product is stable at normal handling and storage conditions.

Hazardous reactions: None

**11. Toxicological information:**

Non toxic

**12. Ecological information:**

When disposed of under orderly conditions no environmental damage occurs. When burning under free air conditions only CO<sub>2</sub>, CO and water arise. Does not contain additives based on heavy metals like lead, cadmium, mercury or chromium.

**13. Disposal consideration:**

can be recycled or may be disposed of or incinerated in accordance with local official regulation.

**14. Transport information:**

Not restricted for transportation in road, marine and air. Not classified as dangerous goods.

**15. Regulatory information:**

Not classified according to EEC directives 67/548/EEC (dangerous substances) and 1999/45/EC (dangerous preparation).

**16. Other information:**

statements are made due to latest state of our knowledge. They shall describe our product with regard to safety requirements, thus do not mean a guarantee for certain characteristics.