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CAST POLYPROPYLENE FILM – CPP FILM

Material Safety Data Sheet

1. PRODUCT MANUFACTURER / IDENTIFICATION

Product Identification: Co-extruded Cast Polypropylene Film

Trade Name – CPP film

Recommended Use

As a sealant layer in flexible laminates.

As a single layer for printing and pouching.

2. COMPOSITION

Chemical characterization: Polypropylene (up to 85% -100%)

Form: White, Transparent, Metallized

Film Odor: Natural Odor of Polypropylene Color

Product does not contain any hazardous substance, as stated in our FDA certificate.

3. HAZARD IDENTIFICATION

No specific danger is associated with the normal industrial utilization 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 possible during normal use.

Skin Contact: In rare/exceptional 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 H₂O, CO₂ and in case of oxygen defect, also CO. The fire products are irritant and toxic.

Decomposition products:

In the growth stage of fires (particularly between 400 – 700°C) other products as hydrocarbons and aldehydes 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 cloths contaminated by molten polymer should be drenched with clean 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 polymers off the skin.

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

The product does not present special safety requirements, during handling and storage; however in order to maintain their properties and to ensure a good processability, the film should be stored avoiding high humidity and extreme temperature conditions. It is especially recommended to avoid any moisture condensation. Do not exceed as ambient temperature of 40°C and a relative humidity of 80%; protect the film rolls from sunlight direct exposure and do not place them nearby ovens, steam lines or other heat sources. Particularly for Metallized films, any entrapment of moisture /water tends to oxidize and block the film making it inadequate for use. It is also a good practice to remove the film from the stores and transport it nearby the converting equipment at least 24 hours before use. Wrappers of the rolls can be removed just before use. It is recommended to keep the fresh rolls/partially used rolls in wrapped and hanging condition to avoid the damages and blocking nature. Unwinding, winding and passage of the film through nips and cover rollers will tend to generate a strong electrostatic charge of the web. Static charge device should be properly positioned as such points to eliminate the charges and to prevent uncontrolled discharge from the web. This is particularly required in hazardous atmospheres and to protect personnel handling the film and to avoid any fire hazard.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

During normal handling protective gloves and the usual protective equipments are recommended. If there is any possibility of contacting molten film (i.e. nearby the sealing bars or the heated rollers of packaging machine), heat protective gloves are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Relevant safety data /Change in physical state

Softening point 165°C

Density 0.90 gm/cc

10. STABILITY AND REACTIVITY

The product is stable at normal handling and storage conditions.

Hazardous decomposition products: not known

Hazardous reactions: none

11. TOXICOLOGICAL INFORMATION

Not toxic.

12. ECOLOGICAL INFORMATION

When disposed of under ordinary conditions no environmental damage effects occur. When burning under free air conditions only CO₂, CO and water arise. Does not contain additives based on heavy metals like cadmium (cd), mercury (Hg) or chromium (Cr).

13. DISPOSAL CONSIDERATION

Can be recycled or may be disposed of or incinerated in accordance with local official regulations.

14. TRANSPORT INFORMATION

Not considered as dangerous goods.

1. CPP – white opaque film : 6 months
2. CPP – Metallized film : 3 months, however the treatment falls (< 38dynes) after 15 days of time. It is recommended to corona treat the film suitably during lamination process

NOTE:



The above-mentioned data have been obtained using standard test procedures on defined specimens, and are provided in good faith. These results should therefore be regarded only as a general guide to material properties. It is for the customer to determine / decide a product's suitability for his / her own particular purpose. **IMPEX GLOBAL FILMS** does not claim and responsibility of the product for any particular purpose.