FAVS
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AXL LABORATORY FILM

Flexible, self-adhesive sealing film designed to protect and preserve laboratory samples and containers. Its high elongation capacity (>500%) allows it to easily conform to different shapes and surfaces, providing an effective seal that helps prevent leakage, evaporation, and contamination. Its paraffin- and rubber-based composition provides hydrophobic properties and resistance to a wide range of chemical agents.



Features

- Flexible, odourless, colourless, and non-toxic material composed of paraffin and rubber.
- Food-grade protective paper with 2.5 × 2.5 cm grid markings.
- High elongation capacity (>500%).
- Hydrophobic surface.
- Operating temperature range: -80 °C to +40 °C

Packaging

Dispenser box with an extraction opening and integrated sliding cutter, allowing the film to be easily dispensed and cut without the need for additional tools.
Roll dimensions: 10 cm width × 38 m length. Box dimensions: 15 x 12.5 x 13.5 (~0.75 kg).

Storage

Store in a clean, dry place at room temperature and at a relative humidity below 60%. Under these conditions, the film has no specific expiry date and is suitable for long-term storage and use.

Chemical Resistance

Highly resistant to acids, alkalis, oxidising agents, organic solvents, and UV radiation, while maintaining its sealing properties.
Not compatible with non-polar solvents such as toluene or chloroform.

Applications

Sealing of laboratory containers and vessels to help prevent leakage, volatilisation, and contamination. Also suitable for the preservation of perfumes and volatile cosmetics, as well as for plant grafting applications.

FILM DE LABORATORIO AXL

Technical specifications

Code	BYH012
Roll	10cm x 38m
Thickness	130 μm
Elongation	> 500%
Water Vapour Transmission Rate*	0.330 g/(m^2·24h)
Oxygen Transmission Rate**	149 cm^3/(m^2·24h·0.1MPa)
Carbon Dioxide Transmission Rate**	628 cm^3/(m^2·24h·0.1MPa)
Softening Point	53ºC
Melting Point	97ºC

*According to GB/T 1037-2021 **According to GB/T 1038.1- 2022

Chemical Resistance

Chemical agent	Test conditions*	Result
N,N-Dimethylformamide (DMF)	23 °C / 24 h	No apparent effects
98% sulphuric acid	23 °C / 24 h	No apparent effects
20% sodium hydroxide	23 °C / 24 h	No apparent effects
5% potassium permanganate	23 °C / 24 h	No apparent effects
Anhydrous ethanol	23 °C / 24 h	No apparent effects

*According to GB/T 11547-2008

