

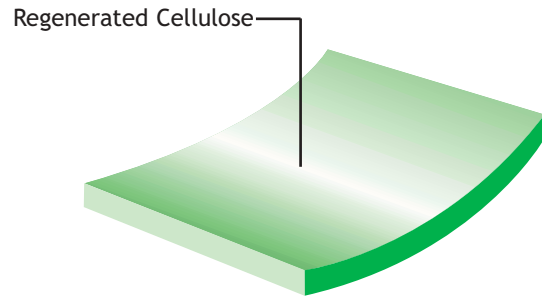
Cellophane P00

Data

Features - Non Heat-Sealable Battery Separator Film

Uncoated regenerated cellulose film (RCF) with no softeners incorporated.

- Highly permeable to water vapor
- Low ionic resistance
- Chemically inert
- Enhanced dimensional stability
- Absorbs and retains electrolyte
- Semi-permeable membrane
- Suitable to lamination



Applications

350P00 is an unsoftened cellulose film containing only moisture to impart flexibility and is for use as a separator in batteries. It reduces the initial voltage decay and increases the life (especially for intermittent use) of alkaline batteries. It is also beneficial for nickel cadmium accumulators used in heavy industry and specialist types of Leclanché cell. Can be used as a single web or as a supported membrane with a suitable non-woven material.

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	P00 350
Thickness	Innovia Films test		mil	0.96
Yield	Innovia Films test		in ² /lb	20100
Permeability to: Water vapor	ASTM E96	100° F 90% RH	g/100in ² . 24 hrs	>95
Oxygen	ASTM F 1927	75° F 0-5% RH	cc/100in ² . 24 hrs.bar	0.19
Coefficient of friction (film to film)	ASTM D 1894	Static Dynamic		0.50 0.40
Tensile strength	ASTM D 882		kpsi MD TD	>24 >12
Elongation at break	ASTM D 882		% MD TD	18 32
Elasticity modulus (1% secant)	ASTM D 882		kpsi MD TD	>290 >145
Wet ionic resistance	Innovia Films test	40% KOH	mΩ.in ²	>15

All properties are tested under standard laboratory conditions: 75°F; 50± 5% RH, unless otherwise stated.

MD Machine Direction TD Transverse Direction

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Roll Specifications

Roll Lengths

Film	Length/(feet)	
	Standard	Double Standard
350P00	10000	20000/22000

Other roll lengths are available subject to negotiation.

Approximate Outside Diameter vs Core Size

Core Size / (in)	Approximate Outside Diameter/ (in)	
	Standard	Double Standard
3	13	non-standard
4 ³ / ₄	non-standard	non-standard
6	non-standard	18 ³ / ₄ /19 ² / ₃

Film Storage

To maintain the high quality of this product during storage it is recommended that Cellophane P00 should be stored in its original wrapping away from any source of local heating or direct sunlight.

Recommended conditions of storage are:

Temperature: 60-75° F

Relative Humidity: 45-55%

Cellophane P00 is suitable for use for 6 months from the date of delivery and stocks should be used in rotation.

Films should be allowed to reach operating room temperatures for 24 hours before use.

Food Contact

Cellophane P00 is designed for use as a separator in batteries and is **not** intended for direct food contact applications. For specific inquiries, please contact our Technical Services Department.

Health & Safety Guidelines

For Health and Safety information, please refer to literature reference A190.



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