



NON-PVC MEDICAL FILM

 SR TECHNOPACK

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NON-PVC MEDICAL FILM



THE BEST
QUALITY IS

Quality Pride

COMPANY INTRODUCTION

Since established in May, 1992, SR TECHNOPACK has been a leading professional manufacturer and supplier in plastic packaging industry including medical packaging and food packaging in South Korea.

Our R&D Center has been devoting endless efforts to constant development of eco-friendly and harmless medical packaging products to make the world safer and healthier.

In the year 2017, New production facilities were introduced and all our production line reached the world largest capacity of medical film for the applications of parenteral solutions, dialysis solutions, parenteral nutrition and lipids.

NEW PRODUCTION LINE

The Aquarex water-cooled blown film line made in Germany 

The Aquarex blown film extrusion concept allows films to be manufactured with properties that clearly differ from those obtained by conventional film extrusion way

Excellent crystallinity of the film, giving it an exceptionally amorphous structure



**INFUSION
FILM FOR
SINGLE
CHAMBER**

Polyolefin based 3 layer film
with excellent mechanical
properties



**INFUSION
FILM FOR
GAS BARRIER**

Gas barrier and Biocompatible
properties, Sterilizable at
121°C for 30mins



**INFUSION
FILM FOR
MULTI
CHAMBER**

Excellent sealing
property for the
formation with
good peelability



**INFUSION
FILM FOR CAPD**

(Continuous Ambulatory Peritoneal Dialysis)

Harmless raw material for CAPD with good
mechanical strength



**MEDICAL
TUBE**

Customized tubing
on the basis of
Non-PVC materials



KEY FEATURE

- Production under the strictest hygiene and quality conditions
- Polyolefin based multilayer extrusion technology for film & tube
- Excellent mechanical properties
- Biocompatible properties



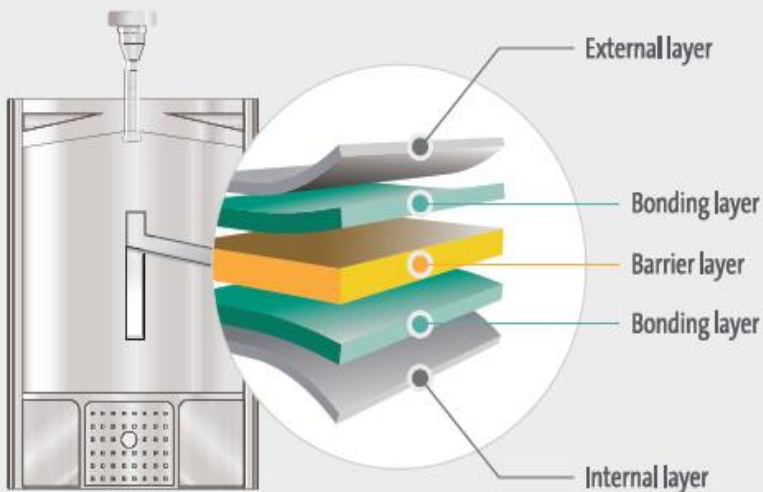
**BIO
REACTOR
FILM**

Polyolefin based 5 layer film
with good mechanical strength
and gas barrier property

INFUSION FILM FOR GAS BARRIER





Structure




Each functionality of multilayer

- External layer** Printable, Heat resistance
- Bonding layer** Adhesive layer
- Barrier layer** Gas barrier
- Bonding layer** Adhesive layer
- Internal layer** Chemical stability and peelable

 Polyolefin based 3 layer and co-extruded film

 Excellent sealing property & Good peelability

 Sterilizable at 121°C for 30 mins

 Anti-Blocking


 Gas barrier property

Property	Test Method	Unit	Value
Standard Thickness	Micrometer	µm	200 to 250
Hard Seal Strength	140°C, 1.5sec, 4bar	kgf/15mm	>3.8
Easy Peel Strength	125°C, 1.5sec, 4bar	kgf/15mm	>1.8
Hard Seal Range	Internal Method	°C	>138
Soft Seal Range	Internal Method	°C	<132
Tensile Strength			
Longitudinal Direction	ASTM D 638	kgf/cm ²	>300
Transverse Direction	ASTM D 638	kgf/cm ²	>300
% Elongation			
Longitudinal Direction	ASTM D 638	%	>500
Transverse Direction	ASTM D 638	%	>500
Drop Test	ISO 15747	1meter/500ml	OK
Haze	ASTM D 1003	%	<10
Water Vapor Transmission Rate (WVTR)	ASTM F 372	g/m ² /day(at 38°C, 100% RH)	<1
Oxygen Transmission Rate (DTR)	ASTM D 3985	cc/m ² /day(at 23°C, 0% RH)	<0.5



INFUSION FILM FOR SINGLE CHAMBER


 Polyolefin based 3 layer and coextruded film


 Excellent impact strength & heat seal property

 Sterilizable at 121°C for 30 mins


Property	Test Method	Unit	Value
Standard Thickness	Micrometer	µm	200 to 240
Seal Strength	140°C, 1.5sec, 4bar	kgf/15mm	>4
Seal Range	Internal Method	°C	135~155
Tensile Strength	ASTM D 638	kgf/cm ²	>300
Elongation	ASTM D 638	%	>600
Haze	ASTM D 1003	%	<10

INFUSION FILM FOR MULTI CHAMBER

 Polyolefin based 3 layer and coextruded film

 Excellent sealing property & Good peelability

 Sterilizable at 121°C for 30 mins

 Anti-Blocking

Property	Test Method	Unit	Value
Standard Thickness	Micrometer	µm	200
Hard Seal Strength	145°C, 1.5sec, 4bar	kgf/15mm	>3.5
Easy Peel Strength	125°C, 1.5sec, 4bar	kgf/15mm	>1.8
Hard Seal Range	Internal Method	°C	>140
Soft Seal Range	Internal Method	°C	<132
Tensile Strength	ASTM D 638	kgf/cm ²	>300
Elongation	ASTM D 638	%	>600
Haze	ASTM D 1003	%	<10





INFUSION FILM FOR CAPD (CONTINUOUS AMBULATORY PERITONEAL DIALYSIS)



Polyolefin based 3 layer
and co-extruded film



Excellent heat seal property &
good mechanical strength



High impact resistance at
low temperature



Sterilizable at 121°C
for 30 mins

Property	Test Method	Unit	Value
Standard Thickness	Micrometer	µm	240
Seal Strength	140°C, 1.5sec, 4bar	kgf/15mm	>4
Seal Range	Internal Method	°C	135~155
Tensile Strength	ASTM D 638	kgf/cm ²	>300
Elongation	ASTM D 638	%	>600
Haze	ASTM D 1003	%	<10
Drop Test	ISO 15747	0.5meter/2000ml	OK

BIOREACTOR FILM



Polyolefin based 5 layer
and co-extruded film



Excellent impact strength &
good mechanical strength



Scalable single-use bag film
for the bioprocess development



It supplies special gas barrier materials
for the storage of cell culture media



Typical applications: Processing, Transport and
Storage of Biopharmaceutical solutions

Property	Test Method	Unit	Value
Standard Thickness	Micrometer	µm	>330
Seal Strength	140°C, 1.5sec, 4bar	kgf/15mm	>4
Seal Range	Internal Method	°C	>130
Tensile Strength	ASTM D 638	kgf/15mm	>270
Elongation	ASTM D 638	%	>340
Haze	ASTM D 1003	%	<20
Water Vapor Transmission Rate(WVTR)	ASTM F 372	g/m ² /day(at 38°C, 100% RH)	<5
Oxygen Transmission Rate (OTR)	ASTM D 3985	cc/m ² /day(at 23°C, 0% RH)	<0.5





MEDICAL TUBE



Polyolefin
based tube



Plasticizer free | Resistance to kinking | Excellent flexibility |
Low coefficient of friction | Sterilizability



Various customized tubing
made of various materials

Property	Test Method	Unit	Value
Compression Set	ASTM D395	%	<50
Tensile Strength	ASTM D638	MPa	>20
Durometer Hardness	ASTM D2240	•	>70
Haze	ASTM D1003	%	<15

CERTIFICATE



ISO 9001



ISO 14001

CFDA

REGISTRATION
NUMBER:
B20170000646

DMF

REGISTRATION
NUMBER:
23957

Biological evaluation of medical devices

ISO10993-5: 2009

ISO10993-6: 2007(E)

ISO10993-10: 2010(E)

ISO10993-10: 2010(E)

ISO10993-11: 2006(E)

ISO10993-4: 2002/Amd.12006

* All tests results can be available by demand. Please ask data to our sales person.

HUMAN HEALTH AND SAFETY ARE THE FIRST PRIORITY



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