Jump to the World

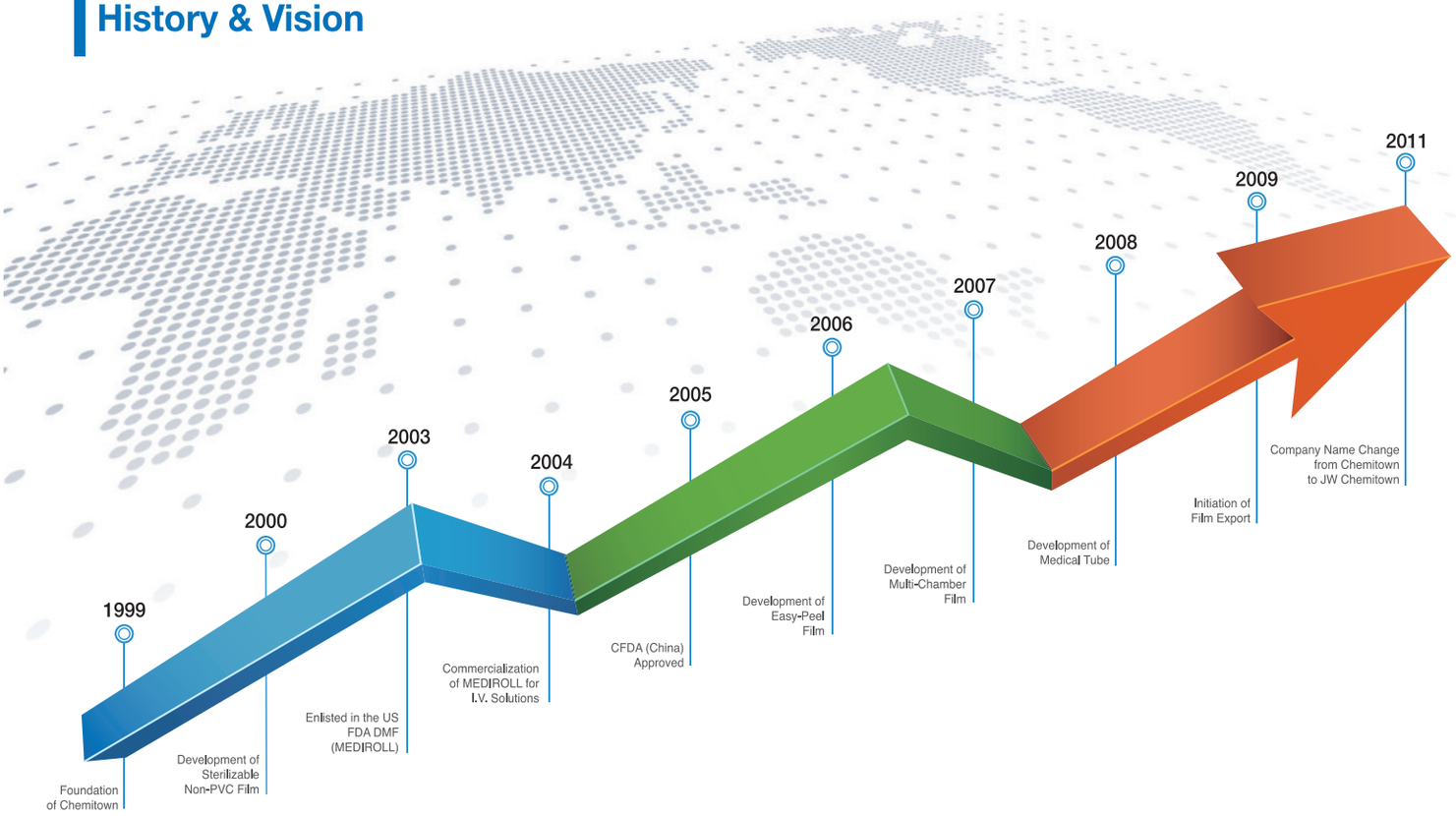
We are committed to human healthcare



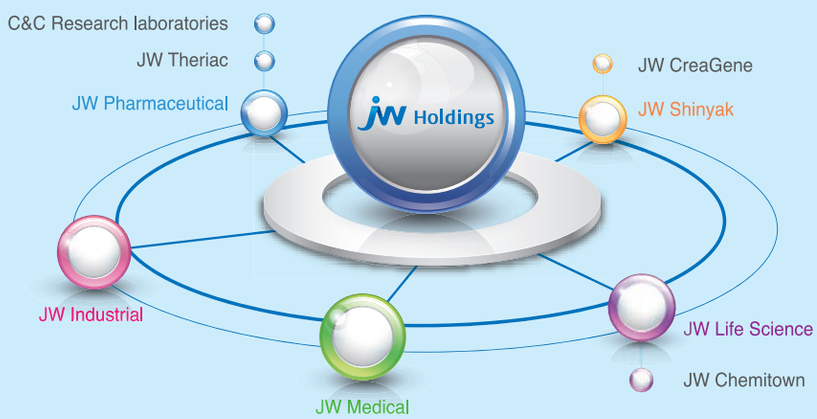
Sterilizable Non-PVC Medical Film Mediroll®

Our mission is to contribute to fostering of a bright healthy society by offering innovative technology, products and service. We pursue the satisfaction and happiness of customers.

History & Vision



JW Group



Business Area



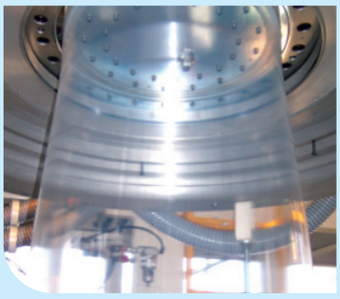
Sterilizable Non-PVC Medical Film



Mediroll® CT703

Characteristics

- Non-PVC(Polyvinyl chloride) 3-Layer Film
- Sterilizable at 121℃
- Excellent Clarity (easy inspection of insoluble substance)
- Flexibility
  (Impact resistant at low temperature)
- Compatible with wide variety of pharmaceutical products
  (Excellent compatibility without adsorption)
- Low Particle Level (Class 100 particle free control)
- Good Water & Gas Barrier Property
- Excellent Heat Sealing Property
- Easy to process on bag manufacturing machines
- Cost competitiveness
- FDA DMF No. 16561









Typical Property

Property	Test Method	Unit	Specification
Thickness		㎛	200
Haze	ASTM D 1003	%	5.8
Heat Sealing Strength	ASTM F88	Kg/cm	2.3
Tensile Strength	ASTM D 882	kg/cm²	300
Tensile Modulus	ASTM D 882	kg/cm²	570
Elongation at Break	ASTM D 882	%	1100
WTR (38℃, 90%RH)	ASTM F 372	g/(m². day. atm)	4.0
OTR	ASTM D 3985	cc/(m². day. atm)	1000
Ignition Residue	CFDA	%	0.05 ↓

※ Property value above is representative and subject to change depending on user's demands (1000ml Standards)

Special
High Performance Film(Application)



Mediroll® CT800

Characteristics

- Non-PVC
- Stable at high pressure
- Excellent clarity
- Durable, and heat sealable
- Sterilizable at 121℃
- Drug compatible
- Flex crack and fracture resistant at low temperature

Application

- Multi-chamber :
  Separated by easy-peel seal
- Dialysis
  HD Concentrated Solutions
  HD Renal Intensive Care Solutions
  CAPD Glucose / Electrolytes
- Nutrition
  Amino Acid / Glucose / Lipids
- Pre-mix Drug
  Antibiotics Powder / Liquid



Mediroll® CT703(Anti-blocking)

Characteristics

- Non-PVC
- Non-Sticking property of the inner layer when filling smaller volumes
- Non-Sticking inner layer film after sterilization

Application

- Small Volume Filling
- Dextrose & Lipid Solutions
- Clinical Nutrition
- Dialysis

Film Product List



Characteristics

· Non-PVC 3 Layer film
· Sterilizable at 121℃
· Excellent Heat Sealing Property
· Excellent Clarity
· FDA DMF No 16561
· CFDA JBB-001(G)-2010

Grade and Property

Properties	ASTM	Unit	CT703						CT800
			1000ml	500ml	250ml	100ml	50ml (Anti-blocking)	3000ml	Multi-chamber bag
Thickness		㎛	200	200	200	200	180	250	250,200
Width		㎜	321	221	161	145	145	300	315
Length/Roll		m	500	500	500	500	500	450	450
Tensile Strength	D882	kg/cm²	300	340	340	340	380	270	330
Elongation	D882	%	1100	1090	1090	1090	1030	1030	1130
Modulus	D882	kg/cm²	570	900	900	900	1900	1050	1160
Haze	D1003	%	5.8	6.0	6.0	6.0	5.7	12.5	13.5
Sealing Strength	F88	kg/cm	2.3	2.9	2.9	2.9	3.2	3.5	3.0
OTR	D3985	cc/(m². day. atm)	1000	1000	1000	1000	900	910	900
WTR	F372	g/(m². day. atm)	4.0	3.5	3.5	3.5	3.6	3.4	3.4
Application			1000ml	500ml	250ml	100ml	50ml (Anti-blocking)	3000ml	Multi-chamber bag

※Above data are not the specification of products, but only for reference

Regulatory Approvals & Certificates of Film



Test Item			Result
Chemical Test	Ignition Residue		0.03%
	Pb, Cd, Cu, Cr, Ba, Sn		Pass
	Non-Volatile Matter		0.1 ㎎
	pH		6.3
	Ultraviolet Absorptivity		220~240㎚ < 0.04 241~350㎚ < 0.03
	Oxidizable Matter		0.3 ㎖
	Heavy Metal		Pass
Biological Test	Migration	1) Anti-oxidant 2) Anti blocking agent 3) Slip agent	Pass
	Residue Styrene Monomer		Pass
	Biological	1) Hemolysis test	Pass
		2) Acute systemic toxicity test	Pass
		3) Intracutaneous	Pass
		4) Sensitization	Pass
		5) Cytotoxicity	Pass
		6) Muscle implantation	Pass
		7) Endotoxin	Pass



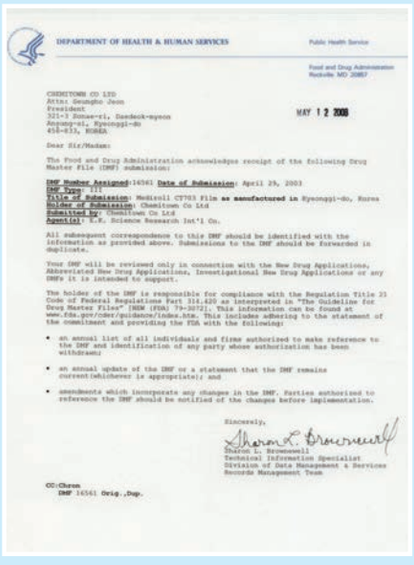
International Industrial Certification

JW CHEMITOWN CO., LTD.

ISO 9001 : 2008

Development and Manufacture of Plastic MouldingsMedical Film, Special Film, Container, Tube, Pipe and Foam) Related Compounds, Microcapsule and Coating Agents

ISO



DEPARTMENT OF HEALTH & HUMAN SERVICES

MAY 12 2008

FDA DMF No ; 16561



【正本】

中华人民共和国

People's Republic of China

进口药品包装用材料和容器注册证

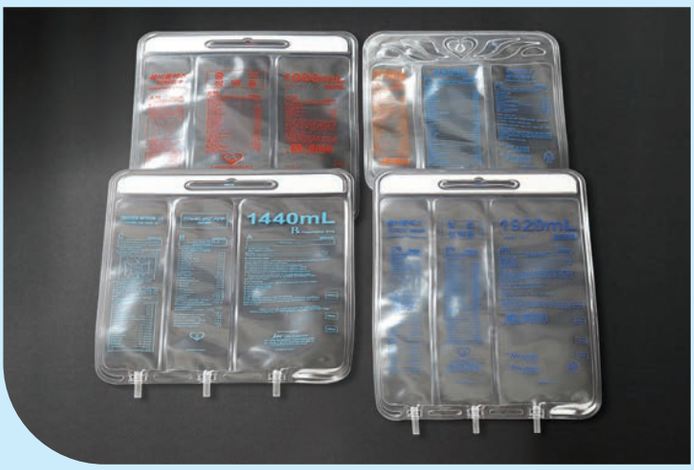
IMPORT PACKAGE MATERIAL FOR DRUGS LICENSE

CFDA

Empty Bags







Empty Bag

2-Chamber Bag

· 500ml, 550ml, 1000ml, 1100ml
Glucose, Amino-acid

3-Chamber Bag

· 375ml, 1000ml, 1085ml, 1250ml, 1435ml, 1440ml, 1450ml, 1540ml, 1820ml, 1875ml, 1920ml, 2020ml, 2053ml
Glucose, Amino-acid, Fat emulsion

Mono-Chamber Bag

· 50ml, 100ml, 200ml, 250ml, 500ml, 1000ml, 3000ml
Normal saline, Glucose, Amino-acid, Pre-mix, Fat emulsion, etc.



Hot Stamping Foil

· Pigment coated thin film on the inner layer (coating layer)
· Transferrable coating layer onto the surface of an object by pressure and heat
· Specially designed for medical packaging bag that requires 121℃ sterilization
· Substrates
  - "PP, PE, PET, PVC" sheet & film
· Available size:
  - Width : Max. 1,800㎜
  - Length : Max. 1,000m

3-Chamber Empty Bags



Empty Bag 375㎖

· Non-PVC, Sterilizable at 121℃
· Separated by Easy-Peel Seal
· Lipid emulsion, Amino-acid, Glucose
· Chamber Size : 75/150/150㎖



Empty Bag 384㎖

· Non-PVC, Sterilizable at 121℃
· Separated by Easy-Peel Seal
· Lipid emulsion, Amino-acid, Glucose
· Chamber Size : 68/80/236㎖



Empty Bag 1000㎖

· Non-PVC, Sterilizable at 121℃
· Separated by Easy-Peel Seal
· Lipid emulsion, Amino-acid, Glucose
· Chamber Size : 200/400/400㎖



Empty Bag 1085㎖

· Non-PVC, Sterilizable at 121℃
· Separated by Easy-Peel Seal
· Lipid emulsion, Amino-acid, Glucose
· Chamber Size : 206/551/328㎖



Empty Bag 1250㎖

· Non-PVC, Sterilizable at 121℃
· Separated by Easy-Peel Seal
· Lipid emulsion, Amino-acid, Glucose
· Chamber Size : 250/500/500㎖



Empty Bag 1435㎖

· Non-PVC, Sterilizable at 121℃
· Separated by Easy-Peel Seal
· Lipid emulsion, Amino-acid, Glucose
· Chamber Size : 273/729/433㎖

3-Chamber Empty Bags



Empty Bag 1440㎖

· Non-PVC, Sterilizable at 121℃
· Separated by Easy-Peel Seal
· Fat emulsion, Amino-acid, Glucose
· Chamber Size : 255/300/885㎖



Empty Bag 1450㎖

· Non-PVC, Sterilizable at 121℃
· Separated by Easy-Peel Seal
· Lipid emulsion, Amino-acid, Glucose
· Chamber Size : 290/580/580㎖



Empty Bag 1820㎖

· Non-PVC, Sterilizable at 121℃
· Separated by Easy-Peel Seal
· Lipid emulsion, Amino-acid, Glucose
· Chamber Size : 346/924/550㎖



Empty Bag 1875㎖

· Non-PVC, Sterilizable at 121℃
· Separated by Easy-Peel Seal
· Lipid emulsion, Amino-acid, Glucose
· Chamber Size : 375/750/750㎖



Empty Bag 1920㎖

· Non-PVC, Sterilizable at 121℃
· Separated by Easy-Peel Seal
· Fat emulsion, Amino-acid, Glucose
· Chamber Size : 340/400/1180㎖



Empty Bag 2020㎖

· Non-PVC, Sterilizable at 121℃
· Separated by Easy-Peel Seal
· Lipid emulsion, Amino-acid, Glucose
· Chamber Size : 285/636/1099㎖

2-Chamber & Mono Empty Bags



Empty Bag 550㎖

· Non-PVC, Sterilizable at 121℃
· Separated by Easy-Peel Seal
· Amino-acid, Glucose
· Chamber Size : 300/250㎖



Empty Bag 1000㎖

· Non-PVC, Sterilizable at 121℃
· Separated by Easy-Peel Seal
· Amino-acid, Glucose
· Chamber Size : 500/500㎖



Empty Bag 1100㎖

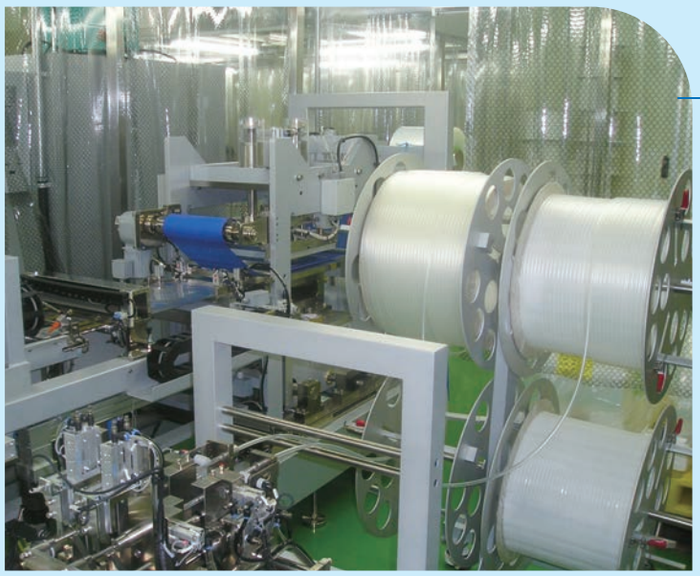
· Non-PVC, Sterilizable at 121℃
· Separated by Easy-Peel Seal
· Amino-acid, Glucose
· Chamber Size : 600/500㎖



Empty Bag 3000㎖

· Non-PVC, Sterilizable at 121℃
· Mono-chamber bag
· Normal Saline
· Chamber Size : 3000㎖

Medical Tube

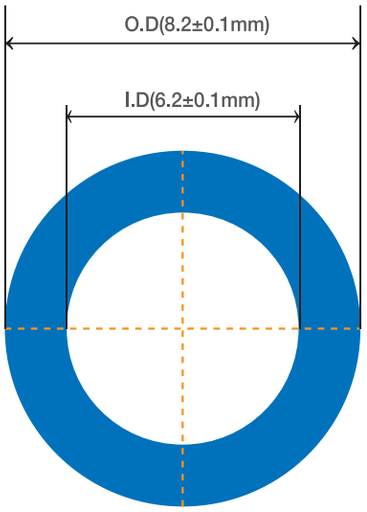


Mediroll® MT400

Characteristics

- Special Anti-KINKING formulation
- Minimal deviation
- Optimized for hot bar welding
- Autoclave sterilizaable at 121℃
- Suitable for PP and PC connectors (Luer-Lock, etc)
- Extremely low level of extractables
- Meets requirements of Eur. Ph 3.1
- ISO 10993 and USP Class Ⅵ
- Extremely low extraction level of particles
- Cost competitiveness

Basic Size Description



3Layer Composition

Polypropylene & TPE Rubber

※Inner and outer diameter sizes are customizable





I.V. Set Tube

Characteristics

- Non-PVC
- Special Anti-kinking formulation
- Minimal deviation
- Capable of EO gas sterilization
- Suitable for PP and ABS connectors
- ISO 10993



Chemi Town

We are committed to human healthcare

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