



Cold Protection

Outdoor Winter Clothing

 **Lakeland®**
Protect Your People™





Lakeland Industries Inc. is a multidivisional, publicly-held producer of quality, high performance protective garments for industry in both domestic and worldwide markets.

Headquartered in Ronkonkoma, New York since 1982, Lakeland Industries Inc. is the world biggest producer of high-performance protective garments for industry. Its global factories can produce over 60 million pieces of garments weekly. Lakeland's protective clothing products is well-known and the most choices in the world.

Lakeland Protective clothing products:

- | | |
|--------------------------------|---------------------------------|
| ■ Eyes Protection | ■ Heat Resistant Clothing |
| ■ Respiratory Protection | ■ Firefighters Turnout Gear |
| ■ Limited Use Clothing | ■ Arc Flash Protective Clothing |
| ■ Chemical Protective Clothing | ■ Hand Protection |
| ■ Flame Resistant Clothing | ■ Cold Protection |

Lakeland Industries Inc. is publicly traded on NASDAQ as LAKE.

Outdoor Winter Clothing

Why to prevent wind?



- Wind-cold effect: the cold level is different under the same environmental temperature and different wind speeds.
- How about the cold level under the different wind speeds when the environmental temperature is 10 °C.

No wind	10 °C
30km/h(Level 5)	1 °C
50km/h(Level 7)	-2 °C

Why to prevent rain and snow?



- The body temperature drops as soon as it is drenched.
- Greatly reduce the thermal performance after the insulation liner encounter water.

Why to be breathable?



- Decrease the muggy and promote the comfort.

How to defend against cold?



- The effect against cold depends on the liner material and weight.

Lakeland Outdoor Winter Clothing

Lakeland Winter clothing offers protection against wind, rain and warm for working in cold environmental or low temperature outdoor jobs.

Material Fabric:

• Outer Layer

Multifunctional composite fabric, with windproof, waterproof, breathable and others function. Fabric coating and laminating is used on different type of fabric ensure better waterproof, windproof and others performance. Meanwhile, A heat sealed seam is sewn and then sealed with a heat activated tap.



• Warm Liner

Lakeland offers many types of different weight liner material according to the degree of cold outdoor jobs, such as 3M Thinsulate™, Fellex® fiber, polyester fiber, Polar fleece etc.

Liner model	Material description
F280/F281/F282	280gsm polar fleece, double brush fleece
D140/D141/D142/D145	140gsm Fellex® Ecological warm wadding with multi-layer fiber
T200	200gsm 3M Thinsulate™
T300	300gsm 3M Thinsulate™



• Lining

Polyester fabric, protective layer of the outer lining and warm liner materials.

Selection Guide

Lakeland offers a variety of styles for customers to choose. Customers can choose the colors to pair with styles according to cold environmental and low temperature and cold outdoor jobs.

F280/F281/F282	Addlicable at -5℃ environment
D140/D141/D142/D145	Addlicable at -10℃ environment
T200	Against -20℃ cold
T300	Against -40℃ cold

Note: All products images are taken really. These images for reference only, because of printing and displays caused chromatic difference from the objects, please consult with the real products.

Size Selection

Size chart for men's winter jacket (cm)

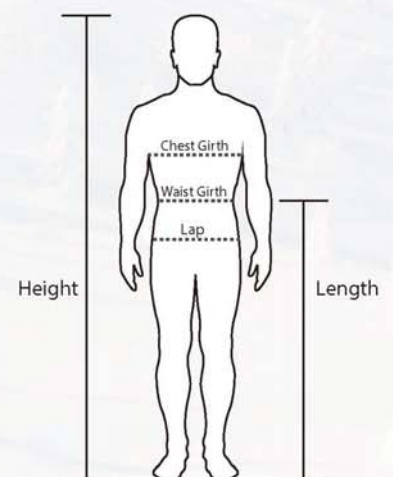
Size	S	M	L	XL	XXL	XXXL	XXXXL
Height	163~167	168~172	173~177	178~182	183~187	188~192	192~197
Chest line	108	112	116	120	124	128	132
Lap	104	108	112	116	120	124	128

Size chart for BR203 for women's winter jacket (cm)

Size	XS	S	M	L	XL	XXL
Height	156~160	161~165	166~170	171~175	176~180	181~185
Chest line	96	100	104	108	112	116
Waist line	88	92	96	100	104	108
Lap	98	102	106	110	114	118

Size chart for Winter Pants (cm)

Size	S	M	L	XL	XXL	XXXL
Height	163~167	168~172	173~177	178~182	183~187	188~192
Length	103	105	107	109	111	113
Lap	76~92	80~96	84~100	88~104	92~108	96~112



TD150/151 Outdoor Winter Jacket

MD-LONG STYLE Teflon and TPU coating, soft and comfortable

- Polyester pongee fabric with Teflon coating on the outer layer and TPU coating on the inner layer;
- Water repellency, oil repellency and stain resistance;
- Waterproof 5000mm W/P, breathable 5000g/m² · 24h, waterproof seam;
- Detachable hood, waterproof front zipper, functional pockets;
- Fill with 150gsm 3M Thinsulate fiber, High efficiency heat reflective lining system to keep body warm;
- Color: black, Khaki



Teflon Coating



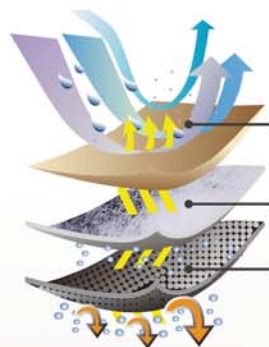
Permeability Technology



Three-dimensional Design



Keep Warm



Outer layer: Teflon processing and TPU coating, water repellency, oil repellency and stain resistance

Filler: 150gsm 3M Thinsulate fiber

Lining: High efficiency heat reflective lining system to keep body warm



Teflon processing



waterproof zipper



two in one pocket
(hand-warmer pocket and vertical pocket)



High efficiency heat
reflective lining system
to keep body warm



TD150



TD151

Art. NO.	Product Style	Product Name	Description	Sizes	Package
853100	TD150	Women Outdoor Jacket	Polyester pongee fabric with Teflon coating on the outer layer and TPU coating on the inner layer; Fill with 150gsm 3M Thinsulate fiber, High efficiency heat reflective lining system to keep body warm.	S-XXXXL	5
853005	TD151				

BR203 Outdoor Winter Jacket For Women

Light & comfortable, waterproof & breathable

- Nylon Taslon fabric coated with PU;
- Waterproof 3000mm W/P, breathable 3000g/m²•24h;
- Waterproof seam, storm flap, functional pockets;
- Bottom of garment adjustable with elastic drawstring. Adjustable elastic cuff with Velcro;
- Fill with 200gsm 3M Thinsulate™ fiber;
- Color: red



Ventilation underarm



Polar fleece liner on collar



Zipper pocket



Left inner pocket



Art. NO.	Product Style	Product Name	Description	Sizes	Package
851300	BR203	Women Outdoor Jacket	Nylon Taslon fabric coated with PU, soft, comfortable, durable, waterproof and breathable, with 200gsm 3M Thinsulate™ liner, applicable at -10℃ ~ -20℃. meet the requirement of GB/T 18398-2001	XS ~ XXL	5

D140/D141/D142/D145 Ultra-light Outdoor Winter Jacket

Comfortable, waterproof & breathable

- Chinlon fabric, durable and crease-resist;
- Waterproof treatment, comfortable and breathable;
- Antistatic fabric, reduce the electrostatic effect in winter;
- 140gsm fellex® fiber, compare favourably with natural down feather;
- Color: black, blue, brown-grey, blue-black.



D145



Chinlon fabric, waterproof and breathable



Attached hood



Insert pocket



D140



D142



D141



Vertical collar



Insert pocket



Portable bag



Fellex® FS fiber is a kind of ecological insulation of multi-layer structure that appears to have good bulkiness and resilience performance. So, it can compare favourably with natural down feather, durable in use, lightweight, warmth, comfortable and air permeable. Fellex® meets the ecological certifications, including CTC-AR-002-2004, GB/T18885-2009.

Compare favourably with natural down feather, Meet the ecological certification

Art. NO.	Product Style	Product Name	Description	Sizes	Package
851280	D140 (black)	Ultra-light winter jacket	140gsm Fellex® fiber that is ecological insulation of multi-layer structure, breathable & waterproof, suitable in -10℃ environment; meet the ecological certification.	S ~ XXXXL	12
851328	D141 (blue)				
851334	D142 (brown grey)				
851007	D145 (blue-black)				

T200/T300 winter inner jacket

Lightweight, breathable, wear alone or match with outer jacket

- Polyester fabric, AC coating for anti-drilling;
- Fills with 3M Thinsulate™ fiber;
- Collar with lining of polar fleece;
- Meet the requirement of GB/T18398-2001 when matching with the outer jacket;
- T200 is applicable at -10~-20℃, T300 is applicable at -25~-40℃.



Collar with lining of polar fleece



Insert pocket



Type	Art. No.	Product Style	Product Name	Description	Sizes	Package
Inner Jacket	858020	T200	200gsm 3M Thinsulate™	Applicable at -10~-20℃	S~XXXXL	5
Inner Jacket	858010	T300	300gsm 3M Thinsulate™	Applicable at -25~-40℃	S~XXXXL	5

F280/F281/F282 polar fleece inner jacket

Lightweight, sweat-absorption and flash drying, anti-pilling, wear alone or match with outer jacket

- 280 gsm polar fleece fabric, double brush fleece, comfortable and breathable;
- Durable, anti-pilling, warm;
- Two insert pockets outside, two pockets inside;
- Applicable at -5~5℃;
- Optional color: black, grey, green



F280



F281



F282



Type	Art. No.	Product Style	Product Name	Description	Sizes	Package
Inner Jacket	858000	F280 (black)	280gsm polar fleece	Micro-polar fleece, double brush fleece, applicable at -5~5℃	S~XXXXL	10
Inner Jacket	858046	F281 (green)			S~XXXXL	10
Inner Jacket	858054	F282 (grey)			S~XXXXL	10

PR10/11/12 Outer Jacket

Soft & Light, Waterproof & Breathable, Comfortable & Durable

- Nylon Taslan fabric coated with PU;
- Waterproof and breathable. 3000mm W/P, 3000g/m²·24h;
- Waterproof seam, storm flap, functional pockets;
- Bottom of garment adjustable with elastic drawstring.
- Adjustable elastic cuff with Velcro;
- Can match with a variety of warm liners.



Ventilation underarm



Waterproof fabric and joint



Anti-scratch collar



Pocket on left chest



Type	Art. NO.	Product Style	Product Name	Description	Sizes	Package
Jacket	853040	PR10 (Grey)	Outer Jacket	Nylon Taslan fabric coated with PU, comfortable, soft, durable, waterproof and breathable	S ~ XXXXL	10
	853080	PR11 (Green)				
	853010	PR12 (Blue)				
Liner	858010	T200	200gsm 3M Thinsulate™	Coated with AC. Collar with lining of polar fleece. Applicable at -10~-20 °C. Meet the requirement of GB/T18398-2001 when matching with the outer jacket.	S ~ XXXXL	5
	858020	T300	300gsm 3M Thinsulate™	Coated with AC. Collar with lining of polar fleece. Applicable in extreme cold condition(-40~-25 °C). Meet the requirement of GB/T18398-2001 when matching with the outer jacket.	S ~ XXXXL	5
		D140/D141/D142	Ultra lightweight liner	140gsm Fellex® fiber that is ecological warm wadding with multi-layer fiber, breathable & waterproof, applicable at -10℃ environment; meet the ecological certification.	S ~ XXXXL	12
		F280/F281/F282	280gsm polar fleece	Double brush fleece, comfortable, breathable, applicable at 5°C ~ -5 °C	S ~ XXXXL	10

PR20 Outer Jacket

Comfortable, durable, waterproof and breathable

- Oxford polyester fabric coated with PU;
- Waterproof and breathable, 3000mm W/P, 3000g/m²·24h
- Waterproof seam, storm flap, functional pockets;
- Can match with a variety of warm liners.

T200/T300

F280/F281/F282

D140/D141/D142

Optional liner



Chest pockets for tools



Anti-scratch collar



Front and rear reflective selvedge design



Waterproof fabric and joint



Type	Art. NO.	Product Style	Product Name	Description	Sizes	Package
Jacket	853006	PR20	Outer Jacket	Oxford polyester fabric with PU coating, comfortable, durable, waterproof and breathable.	S ~ XXXXL	10
Liner	858010	T200	200gsm 3M Thinsulate™	Coated with AC. Collar with lining of polar fleece. Applicable at -10~-20 °C. Meet the requirement of GB/T18398-2001 when matching with the outer jacket.	S ~ XXXXL	5
	858020	T300	300gsm 3M Thinsulate™	Coated with AC. Collar with lining of polar fleece. Applicable in extreme cold condition(-40~-25 °C). Meet the requirement of GB/T18398-2001 when matching with the outer jacket.	S ~ XXXXL	5
		D140/D141/D142	Ultra lightweight liner	140gsm Fellex® fiber that is ecological warm wadding with multi-layer fiber, breathable & waterproof, applicable at -10 °C environment; meet the ecological certification.	S ~ XXXXL	12
		F280/F281/F282	280gsm polar fleece	Double brush fleece, comfortable, breathable, applicable at 5°C ~-5 °C	S ~ XXXXL	10

BR11 Outer Jacket

Bright color, waterproof, breathable

- Polyester fabric coated with TPU;
- Waterproof 3000mm W/P, breathable 3000g/m²•24h;
- Waterproof seam, storm flap, functional pockets;
- Bottom of garment adjustable with elastic drawstring. Adjustable elastic cuff with Velcro;
- Can match with a variety of warm liners.



Type	Art. NO.	Product Style	Product Name	Description	Sizes	Package
Jacket	853050	BR11	Outer Jacket	Polyester fabric coated with TPU, fashionable, waterproof and breathable.	S ~ XXXXL	10
Liner	858010	T200	200gsm 3M Thinsulate™	Coated with AC. Collar with lining of polar fleece. Applicable at -10~-20 °C. Meet the requirement of GB/T18398-2001 when matching with the outer jacket.	S ~ XXXXL	5
	858020	T300	300gsm 3M Thinsulate™	Coated with AC. Collar with lining of polar fleece. Applicable in extreme cold condition(-40~-25 °C). Meet the requirement of GB/T18398-2001 when matching with the outer jacket.	S ~ XXXXL	5
		D140/D141/D142	Ultra lightweight liner	140gsm Fellex® fiber that is ecological warm wadding with multi-layer fiber, breathable & waterproof, applicable at -10 °C environment; meet the ecological certification.	S ~ XXXXL	12
		F280/F281/F282	280gsm polar fleece	Double brush fleece, comfortable, breathable, applicable at 5°C ~-5 °C	S ~ XXXXL	10

AF102 Antistatic and Flame Resistant Jacket

Extensive Applications: petroleum, mining, chemical industry etc

- High-quality poly oxford fabric, durable;
- Coated with PU, waterproof, >5000mm, breathable, >4850g/m²·24h;
- Fabric meets EN1149-5 antistatic standard;
- Fabric meets EN14116 flame resistance standard;
- 200gsm 3M Thinsulate™ fiber, efficient cold protection;
- Hood can be put into the collar.

T200/T300

F280/F281/F282

D140/D141/D142

Optional liner



Zipper and velcro design



Reflective design



Waterproof fabric and joint



Hidden hood



AF102



AF103

Art. NO.	Product Style	Product Name	Description	Sizes	Package
851310	AF102 (navy blue)	Antistatic and flame resistant jacket	High-quality poly oxford fabric, durable, Coated with PU, waterproof, >5000mm, breathable, >4850g/m ² ·24h; Fabric meets EN1149-5 antistatic standard and EN14116 flame resistance standard; 200gsm 3M Thinsulate™ fiber, efficient cold protection.	S ~ XXXXL	5
851343	AF103 (yellow)				

NIJKBD10**2112 - Dual Certified FR Insulated Industrial Jacket**

- 10 oz. Brown duck outer shell
- 11.8 oz Protect 400 Liner
- D-ring pass thru standard
- Corduroy collar
- Double cuff design
- 4 pockets construction
- ATPV: 39.0 cal/cm²
- CAT: 3
- Color: Brown

NIBOBD10**2112 - Dual Certified FR Insulated Bibs**

- 10 oz. brown duck outer shell
- 11.8 oz Protect 400 Liner
- Non-metallic suspenders on bibs
- Bibs have leg zippers with full gussets
- ATPV: 39.0 cal/cm²
- CAT: 3
- Color: Brown



Two inside coat pockets, plus four more outside!

**Standard D-ring Pass Thru**

Hidden underneath a Velcro® secured flap is a standard feature D-ring pass thru. We know that working at heights occurs no matter the weather forecast.



Non-metallic suspenders



Pocket with Velcro® overlap assures contents stay in place



Leg zippers with full gussets



Wind barrier keeps the cold out, the warmth in



Art. NO.	Product Style	Product Name	Description	Sizes	Package
853003	NIJKBD10	Jacket	2112 - Dual Certified FR Insulated Industrial Jacket/Bibs	S ~ XXXXL	5
855003	NIBOBD10	Bibs			

EM310 Outdoor Winter Jacket

Waterproof, breathable, durable

- Polyester Oxford fabric with PU coating, waterproof and breathable;
- Waterproof seam, attached hood, storm flap;
- Stretch-knit cuffs and sweep;
- Silver reflective selva design;
- Fill with 160gsm polyester fiber.
- Color: black



Right chest pocket



Stretch-knit cuffs



Wide pocket



Elbow pads



Art. NO.	Product Style	Product Name	Description	Sizes	Package
851275	EM310	Outdoor Winter Jacket	Polyester Oxford fabric with PU coating, waterproof and breathable; Fill with 160gsm polyester fiber.	S ~ XXXXL	10

C-ANSIP-2 Hi-visible Outdoor Winter Jacket**Hi-visible, durable, waterproof and breathable**

- Poly Oxford fabric coated with PU;
- Meet the requirement of ANSI/ISEA 107-2004 Level 3;
- The inner jacket is yellow polar fleece, can be worn alone;
- With 2 inches 3M Scotchlite™ on both outer shell and inner Jacket.



• Mic tab on each shoulder.



• Snap off lined hood with brim.
• Hood fits over a hard hat.



• Adjustable Velcro and elastic cuffs.



• Ventilated mesh under back yoke.



• Storm flap with snap closures.



• Two lower fleece lined hand warmer pockets.



Art. NO.	Product Style	Product Name	Description	Sizes	Package
811013	C-ANSIP-2	Outdoor Jacket	Poly Oxford fabric coated with PU. The inner jacket is yellow fleece, can be worn alone.	S ~ XXXXL	5

P601 outdoor winter pants

Elastic composite fabric, waterproof and breathable

- Polyester 4-way elastic fabric + laminated micro fleece, with TPU coating;
- Waterproof and breathable, 3000mm W/P, 3000g/m²·24h;
- Medium thickness, suitable for autumn and winter;
- Elastic waist, multi-function pockets, reflective stripe on the both sides.



Elastic waist



Reflective stripe



Right pocket



Art. NO.	Product Style	Product Name	Description	Sizes	Package
855000	P601	Outdoor winter pants	Polyester 4-way elastic fabric + laminated micro fleece, with TPU coating	S ~ XXXXL	5

P603 outdoor winter pants

Durable, waterproof, breathable (Removable braces)

- Nylon Taslan fabric coated with PU;
- Waterproof 3000mm W/P, breathable 3000g/m²·24h;
- Elasticated waist, compliable with belt or braces;
- Multi-functional pockets;
- Bottom of leg with zip for cold protection;
- Fill with 3M Thinsulate™ fiber.



Elastic braces, waist, belt



Leg pocket



Leg pocket



Bottom of leg with zip and flap



Art. NO.	Product Style	Product Name	Description	Sizes	Package
855100	P603	Outdoor Winter Pants	Nylon Taslan fabric coated with PU. Soft, comfortable, durable, waterproof and breathable. Filled with Thinsulate which applicable at -10°C ~ -20 °C.	S ~ XXXL	5
855200	P603AF	Outdoor Winter Pants	FR and antistatic Nylon fabric coated with PU, which is same as the outer fabric of AF102. Waterproof and breathable, fill with 3M Thinsulate™ fiber, applicable at -10°C ~ -20 °C.	S ~ XXXL	5

9065 Winter Vest

- Polyester-cotton fabric, Polyester taffeta liner, with 160g/m² Warm polyester filler;
- Front and rare retro-reflective line design;
- Pockets for wireless phone and tools;
- Color: navy blue

Breathable

Pockets on front chest for tools



Reflective line design on front and rear chest, double-deck shoulder cuff



Elastic waist



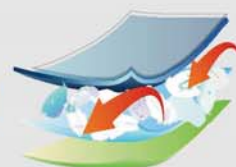
Zipper pockets for tools



Art. NO.	Product Style	Product Name	Description	Sizes	Package
856080	9065	Winter vest	Polyester-cotton fabric, polyester taffeta liner, with 160gsm warm polyester filler, reflective line design and pockets for wireless phone, tools.	S ~ XXXXL	10

9045 Winter Vest

- Polyester pongee coated with Anti-drilling down AC; Polyester satin liner with 220g/m² Warm polyester filler;
- 2 pockets, resin zip;
- Color: royal blue

Anti-drilling

Coated with anti-drilling down AC, waterproof



Shoulder cuff



Zipper pockets



Art. NO.	Product Style	Product Name	Description	Sizes	Package
856090	9045	Winter vest	Polyester pongee coated with anti-drilling down AC, polyester satin liner with 220gsm warm polyester filler.	S ~ XXXXL	10

H201 Winter Hat

- Cold protection for head, such as riding, skiing and outdoor work;
- Made of fleece, which is non-pilling, soft and comfortable;
- Color: black



- Keep warm
- Prevent wind
- Comfortable and breathable
- Three-dimensional design

Art. NO.	Product Style	Product Name	Description	Sizes	Package
850100	H201	Winter hat	Cold protection for head; Made of fleece, which is non-pilling, soft and comfortable.	one size	100

G100 Winter Glove

Fashional, lightweight, waterproof, breathable

- High-quality waterproof and breathable fabric, 5000mm W/P, 5000g/m² 24h
- Fills with high-quality hollow cotton fiber, elastic, washable;
- Applicable at -20℃
- Fit for Mountaineering, skiing etc. sweaty activities.



Waterproof & breathable fabric



Small pocket on the back of band



Delicate buckle



Anti-cutting & abrasion-resistant palm



Type	Art. No.	Product Style	Product Name	Description	Sizes	Package
Glove	850010	G100	Winter Glove	fashional, lightweight, waterproof, breathable	One size	1

Limited Use Clothing



Chemical Protective Clothing



Heat Protective Clothing



Cold protective clothing



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