



# STRETCH MX

with innovative sustainable technology platform recognized by  
**ISPO TOP OF INNOVATION AWARD**



## Breakthrough Innovations in Thermal Insulation

Date issued: 2021 03 26

### APPLICATIONS (TYPICAL)

Apparel, Footwear, Gloves, Knitted hats, etc.,  
requiring high level of STRETCH performance

### FIBER COMPOSITION

100% Polyester

### FLAMMABILITY

Class 1, Normal according to US Federal Flammable  
Fabrics Act Procedure in 16 CFR Part 1610.

### PERFORMANCE FEATURES

Proprietary LRTD™ (Long Range Thermal Dynamics)  
Technology for optimum warmth

Highest level of STRETCH performance

Water repellent / Moisture management

Resistance to cold air and retains warm air

Warm even when damp

Easy maintenance (Home wash, etc)

Lightweight

### TECHNICAL DATA (TYPICAL VALUES)



Product Code	Basis Weight (gsm)	Roll Width (in/cm)	Thickness		CLO
			Inch	cm	
HMX-STR60	60	60/152	0.12 ~ 0.20	0.3 ~ 0.5	0.8 ~ 1.0
HMX-STR100	100	60/152	0.20 ~ 0.35	0.7 ~ 0.9	1.1 ~ 1.3
HMX-STR120	120	60/152	0.35 ~ 0.43	0.9 ~ 1.1	1.5 ~ 1.7
HMX-STR150	150	60/152	0.51 ~ 0.59	1.3 ~ 1.5	1.8 ~ 2.0

\* All data presented above may vary. Contact your sales representative for more details.

\*\* 150gsm+ weight products available up on request. Ask your sales representative for more details.

#### TEST METHODS:

Thickness: ASTM D 5736 @ 0.002 psi, CLO: ISO11092:2014, WVTR: ASTM E96/E96M-16

### CONSTRUCTION GUIDELINES

STRETCH MX Insulation products may be free-hung in edge-stabilized construction. Maximum distance between stitched lines may vary depending on various factors such as types of shell & lining fabrics, stitching density, etc. Please ask the sales representative of HEAT-MX™ in your region to find out more. Quilting and/or adhesive lamination methods may be used for as needed. For any use of the products outside conventional construction methods and/or in combination of unusual material practiced and recognized by the industry, please consult the sales representative of HEAT-MX™ products in your region. Avoid high temperature or high pressure in the course of manufacturing to attain optimum performance.

### CARE INSTRUCTIONS

GOODS made with HEAT-MX™ insulation material may be home laundered and/or dry cleaned. Follow care instructions provided by the manufacturer or brand of the finished goods.

**EXPERIENCE THE EXCELLENCE**



**PROUDLY CANADIAN**

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## PRODUCT USAGE EXAMPLES\*

### CLOTHING EXAMPLES



Running shirts



Running pants



Sweater



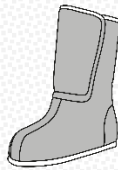
Pullover

### GLOVE EXAMPLES



Knitted glove

### FOOTWEAR EXAMPLES



Removable Booties and Winter Boots\*  
(\*Outer shell boots to use COMPACT MX)

### HEAD WEAR EXAMPLES



Face mask



Neck warmer



Knitted hat

## EXCEPTIONAL PERFORMANCE FEATURES & SOCIAL / ENVIRONMENTAL BENEFITS



Note - Some performance features are specific to a certain product type (product code) and optional. Please contact your sales representative for more details

\* Product Usage Guidelines are based on entire area applications of HEAT-MX™ products unless otherwise expressed as per Footwear examples, but may vary depending on specific applications. Contact your sales representative for the approval in case of exceptions from the application methods indicated in this document.

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