



ISPO Top of Innovation Award

COMPACT MX

Breakthrough Innovations in Thermal Insulation!

Date issued: 2021-01-09

Applications (Typical)

Apparel, Footwear, Gloves, Ski pants, Blankets, etc., requiring thin profile with high thermal efficiency and light weight

Fiber Composition

100% Polypropylene or Polypropylene / PET 65/35

Flammability

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

Performance Features

Proprietary **DRI-CAVE™ Technology** for dry comfort

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

Thin profile with high thermal efficiency (compression resistant)

Water resistant / Moisture management / Wind proof / Quick drying

Resistance to cold air and warm air retention

Light weight / Warm even when damp

Easy maintenance (Home wash, etc)



Technical Data (Typical Values)

Product Code	Basis Weight (gsm)	Product Variations	Roll Width (in/cm)	Thickness		CLO
				Inch	cm	
HMX-CR40	40	HMX-CRS55/HMX-CRD70	60/152	0.16 ~ 0.20	0.4 ~ 0.5	0.8 ~ 1.0
HMX-CR60	60	HMX-CRS75/HMX-CRD90	60/152	0.20 ~ 0.24	0.5 ~ 0.6	1.2 ~ 1.5
HMX-CR80	80	HMX-CRS95/HMX-CRD110	60/152	0.24 ~ 0.31	0.6 ~ 0.8	1.5 ~ 1.7
HMX-CR100	100	HMX-CRS115/HMX-CRD130	60/152	0.31 ~ 0.39	0.8 ~ 1.0	1.7 ~ 2.0
HMX-CR150	150	HMX-CRS165/HMX-CRD180	60/152	0.47 ~ 0.59	1.2 ~ 1.5	2.2 ~ 2.5
HMX-CR200	200	HMX-CRS215/HMX-CRD230	60/152	0.63 ~ 0.71	1.6 ~ 1.8	2.9 ~ 3.2

* All data presented above may vary. Product codes which do not contain "R", e.g., C100/CS115/CD130 present similar properties.

** 'S' represents Single scrim and 'D' represents Double scrim.

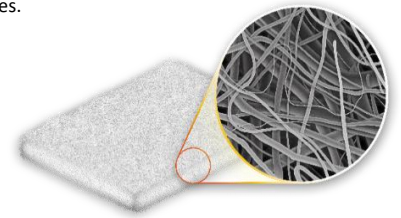
*** Other weight products, e.g., 200gsm+ available up on request. Ask your sales representative for more details

TEST METHODS:

Thickness: ASTM D 5736 @ 0.002 psi

CLO: ISO11092:2014

WVTR: ASTM E96/E96M-16



Conform with **CLEAN RECYCLING INITIATIVE** with proprietary **RECYCLABLE** technology

Construction Guidelines

COMPACT 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(TM) 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 in large, please consult the sales representative of HEAT-MX(TM) Products in your region. **Avoid high temperature or high pressure in order to attain optimum performance.**

Care Instructions

Garments 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.

JUST FEEL IT!



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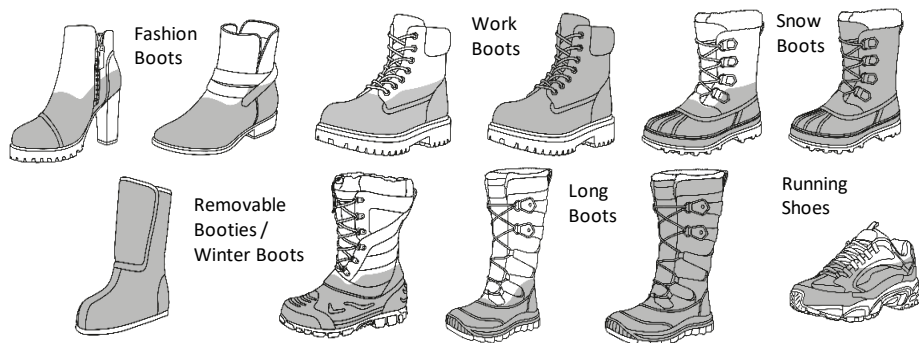
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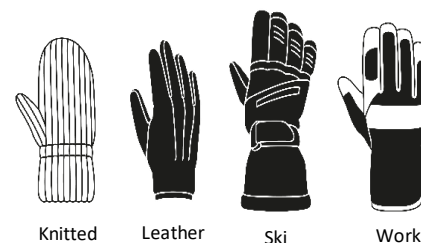
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Product Usage Examples*

Footwear examples



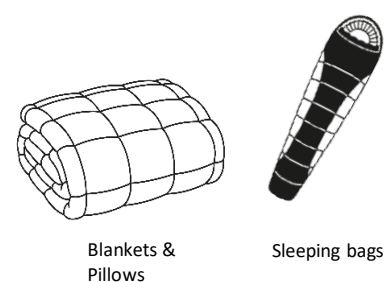
Glove examples



Garment examples



Bedding & Sleeping bag



Exceptional Performance Features & Social / Environmental Benefits



* 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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