

SLEEPING BAG APPLICATION

Breakthrough Innovations in Thermal Insulation!

Date issued: 2021-01-11

OVERVIEW

This Technical Data Sheet (TDS) presents the HEAT-MX technology platforms in thermal insulation technologies used for SLEEPING BAG Applications.

APPLICATION CATEGORIES & HEAT-MX™ TECHNOLOGY PLATFORMS

Temperature ranges¹

COLD (0°C ~ -20°C / 32°F ~ -5°F) ~ VERY COLD (-20°C ~ -40°C / -5°F ~ -40°F)¹

HEAT-MX™ Technology Options for the category

LOFT-MX



ISPO TOP OF INNOVATION AWARD WINNER

Sheet-type Non-woven
100% Polyester
Cruelty-free



VEGANDOWN-MX



ISPO TOP OF INNOVATION AWARD – TOP TEN WINNER

Loose-fiber type
100% Polyester
Cruelty-free



iDown
THE BAG TECHNOLOGY



ISPO TOP OF INNOVATION AWARD WINNER

Proprietary Internal Structure²
Polyester & Polypropylene
Uses down-feather as filler



nDown
THE BAG TECHNOLOGY



**NO DOWN
HAPPY DUCKS**



ISPO TOP OF INNOVATION AWARD – TOP TEN WINNER

Proprietary Internal Structure²
Polyester & Polypropylene
Does not use down-feather
Cruelty-free



1 - Temperature ranges based on the categories of T-comfort, T-limit and T-extreme according to ISO 23537. Please ask your HEAT-MX™ sales representative for more details.

2 - Patent-pending

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EXTREME COLD (-40°C ~ -60°C / -40°F ~ -75°F) ~ EXPEDITION (-60°C ~ -100°C / -75°F ~ -150°F)¹

HEAT-MX™ Technology Options for the category



ISPO TOP OF INNOVATION AWARD WINNER

Proprietary Internal Structure²
Polyester & Polypropylene
Uses down-feather as filler



ISPO TOP OF INNOVATION AWARD – TOP TEN WINNER

Proprietary Internal Structure²
Polyester & Polypropylene
Does not use down-feather
Cruelty-free








TECHNICAL FEATURES²

LOFT-MX

VEGANDOWN-MX

nDown
THE BAG TECHNOLOGY

iDown
THE BAG TECHNOLOGY

	LOFT-MX	VEGANDOWN-MX	nDown	iDown
 ABRASION RESISTANCE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 CHANNEL SIZE INCREASE	<input type="checkbox" value="NA"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 CLUSTER-RELIEF	<input type="checkbox" value="NA"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 COLD-SPOT-RELIEF	<input type="checkbox" value="NA"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 DOWN-PROOF / FIBER-PROOF	<input type="checkbox" value="NA"/>	<input type="checkbox" value="NA"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

1 - Temperature ranges based on the categories of T-comfort, T-limit and T-extreme according to ISO 23537. Please ask your HEAT-MX™ sales representative for more details.

2 - Patent-pending

3- Please refer to www.heat-mx.com for more technical details

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TECHNICAL FEATURES²

LOFT-MX

VEGANDOWN-MX

nDown[®]
THE BAG TECHNOLOGY

iDown[®]
THE BAG TECHNOLOGY

 DRI-CAVE™	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 HIGH VOLUME	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 LONG RANGE THERMAL DYNAMICS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 MOISTURE MANAGEMENT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 WARM EVEN IN WET WEATHER	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 WATER REPELLENT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 WATER RESISTANCE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 WIND PROOF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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SOCIAL / ENVIRONMENTAL BENEFITS²



	LOFT-MX	VEGANDOWN-MX	nDown	iDown
<p>CHEMICAL-FREE PERFORMANCE FEATURES</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<p>CLEAN RECYCLING INITIATIVE™</p>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *
<p>CLEANLY RECYCLABLE</p>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> *	<input type="checkbox"/>
<p>CLEANLY RECYCLED or RECYCLED*</p>	<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *
<p>ENERGY SAVING</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<p>HOME LAUDRY / NO-DRY-CLEANING</p>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<p>NMF™ TECHNOLOGY</p>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>SUSTAINABLE</p>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

* (IMPORTANT) Product-code-specific. Please ask your HEAT-MX™ sales representative for more details.

3 – Please refer to www.heat-mx.com for more technical details

Notes – Information presented in this document may change without notice. Please contact your HEAT-MX™ sales representative for complete and updated information.

DOCUMENT ID: ASP-SLP—1-2101

Replaces all previous documents issued under the same purpose