

XE™-189

by DIFCO



Thermal Barrier

Batting	1 Layers E89™ 1.5 osy Spunlace
Face Cloth	3.25 oz/yd² 1X1 100% Nomex® IIIA

Also available with Silver Anti-Odor Finish!



XE™-189

Difco has engineered a wide variety of moisture barriers that provide light-weight protection against the heat experienced by firefighters.

Thermal liners work together with the outershell and a moisture barrier to give firefighters the complete turnout outfit they need.

With a wide variety of options available, Difco has the thermal liner that meets your specific needs and budget.

XE™ 189 5.6 oz

- Made of 3.25oz Nomex® /1 layer E89
- Lightest thermal liner with E89™ spunlace
- Meets TPP minimums
- Very high THL
- Good moisture transport
- Plain weave
- Calendered face cloth

Place swatch here
4.5" x 6"

Place swatch here
4.5" x 5"

Place swatch here
4.5" x 4"

Place swatch here
4.5" x 3"

Place swatch here
4.5" x 2"



1800-668-4724

contactus@tencate.com

www.difcoperformance.com

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Face Cloth	3.25 oz/yd ² 1X1 100% Nomex® IIIA



TECHNICAL
SPECIFICATIONS

DIFCO® is a registered trademark of TenCate Performance Fabrics .
XE-189 is a trademark of TenCate Performance Fabrics .
Nomex® is a registered trademark of E.I. DuPont de Nemours and Company. DuPont Canada is a licensee
TenCate Performance Fabrics cannot guarantee the suitability of its products for any particular purpose. Test results in respect of any particular item of product may vary. It's the sole responsibility of the user to perform all testing necessary to determine suitability of the product for user's applications.
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Rev:190310

		XE™-189	
Weight		5.0 oz/yd ² 170 g/m ²	
Batting		1 Layer of E89™ 1.5 osy Spunlace	
Face Cloth		3.25 oz/yd ² 1X1 100% Nomex® IIIA	
Type		Quilted	
Color			
Tests	NFPA 1971 2007ed. Thermal barriers Test Section & Requirements		Results
Flame Resistance Initial	ASTM D 6413		Warp
Afterflame	8.2	max. 2 sec	0
Char length		max.100 mm 4.0"	45 mm 1.8"
Observations		shall not melt or drip	45 mm 1.8"
After 5 washes	ASTM D 6413		complies
Afterflame	8.2	max. 2 sec	Warp
Char length		max.100 mm 4.0"	Fill
Observations		shall not melt or drip	0
Thermal shrinkage resistance Initial	8.6	max. 10%	52 mm
After 5 washes		max. 10%	45 mm
Heat resistance Initial	8.6	shall not melt, separate, or ignite	2.0"
After 5 washes			complies
Cleaning shrinkage resistance	AATCC 135 1 - V - Ai 8.25	max. 5%	complies
Tear resistance Initial	ASTM D 5587	min. 22 N 5 lbf	<4
After 5 washes		min. 22 N 5 lbf	<3
Component Certified by UL for:	NFPA 1971 ed 07		140 N
	CAN/CGSB 155.1		100 N
			31 lbf
			22 lbf
			145 N
			100 N
			33 lbf
			22 lbf
			no
			no



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