

XE™-289

by DIFCO



Thermal Barrier

Batting	2 Layers E89™ 1.5 & 2.3 osy Spunlace
Face Cloth	3.25 oz/yd² 1X1 100% Nomex® IIIA

Also available with Silver Anti-Odor Finish!



XE™-289

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.

XE289™ 7.0 oz

- Made of 3.25oz Nomex® /2 layers E89
- Light-weight spunlace
- Good TPP per weight
- Good THL
- Good moisture transport
- Plain weave
- Calendered face cloth
- Rip Stop Weave for improved tear resistance.

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"



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TECHNICAL SPECIFICATIONS

DIFCO® is a registered trademark of TenCate Performance Fabrics.
XE-289 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.
TenCate Performance Fabrics disclaims all warranties, express or implied, including without limitation, any implied warranty of merchantability or fitness for a particular purpose.

Rev:190310

Weight		
Batting		
Face Cloth		
Type		
Color		
Tests	NFPA 1711 2007ed. Thermal barriers Test Section & Requirements	
Flame Resistance Initial	ASTM D 6413	
Afterflame	8.2	max. 2 sec
Char length		max.100 mm 4.0"
Observations		shall not melt or drip
After 5 washes		ASTM D 6413
Afterflame	8.2	max. 2 sec
Char length		max.100 mm 4.0"
Observations		shall not melt or drip
Thermal shrinkage resistance Initial		max. 10%
After 5 washes		max. 10%
Heat resistance Initial		shall not melt, separate, or ignite
After 5 washes		
Cleaning shrinkage resistance		AATCC 135 1 - V - Ai 8.25 max. 5%
Tear resistance Initial		ASTM D 5587 min. 22 N 5 lbf
After 5 washes		8.12 min. 22 N 5 lbf
Component Certified by UL for:		NFPA 1711 ed 07 CAN/CGSB 155.1

XE™-289	
7.0 oz/yd² 237 g/m²	
2 Layers E89™ 1.5 & 2.3 osy Spunlace	
3.25 oz/yd² 1X1 100% Nomex® IIIA	
Quilted	
Results	
Warp	Fill
<1	<1
35 mm	25 mm
1.4"	1.0"
complies	
Warp	Fill
<1	<1
35 mm	30 mm
1.4"	1.2"
complies	
-1.5	-1.5
-0.5	-0.7
complies	
complies	
<4	<3
230 N	145 N
52 lbf	33 lbf
215 N	135 N
48 lbf	30 lbf
yes	
yes	



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