

# XE™-193 NOD CHAMBRAY Thermal Barrier by DIFCO



Batting	1 layer of Nomex® On Demand™ E93™ 3.2 oz/yd² & 1 layer E89™ 1.5 oz/yd²
Face Cloth	3.25 oz/yd² Rip Stop 100% Nomex® IIIA

Also available with Silver Anti-Odor Finish!



Get increased thermal performance when it matters most!

XE™-193 NOD CHAMBRAY

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.

At 250° conditions or higher this unique, thermal liner automatically activates, trapping more air and improving the thermal insulation value of your turnout gear. In fact, preheating tests prove that Nomex® On Demand™ achieves a significant increase in TPP, with minimal shrinkage.

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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<b>Face Cloth</b>	3.25 oz/yd² Rip Stop 100% Nomex® IIIA



## TECHNICAL SPECIFICATIONS

DIFCO® is a registered trademark of TenCate Performance Fabrics . XE is a trademark of DIFCO 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

XE™-193 NOD Chambray		
<b>Weight</b>		
8.0 oz/yd² 271 g/m²		
<b>Batting</b>		
1 layer of Nomex® On Demand™ E93 3.2 oz/yd² & 1 layer E89 1.5 oz/yd²		
<b>Face Cloth</b>		
3.25 oz/yd² Rip Stop 100% Nomex® IIIA		
<b>Type</b>		
Quilted		
<b>Color</b>		
<b>Tests</b>	<b>NFPA 1971 2007ed. Thermal barriers Section &amp; Requirements</b>	<b>Test</b>
<b>Flame Resistance Initial</b>		
ASTM D 6413		
Afterflame	8.2	max. 2 sec
Char length		max.100 mm 4.0"
Observations		shall not melt or drip
<b>After 5 washes</b>		
ASTM D 6413		
Afterflame	8.2	max. 2 sec
Char length		max.100 mm 4.0"
Observations		shall not melt or drip
<b>Thermal shrinkage resistance Initial</b>		
8.6		
After 5 washes		max. 10%
<b>Heat resistance Initial</b>		
8.6		
After 5 washes		shall not melt, separate, or ignite
<b>Cleaning shrinkage resistance</b>		
AATCC 135 1 - V - Ai 8.25		
max. 5%		
<b>Tear resistance Initial</b>		
ASTM D 5587		
min. 22 N 5 lbf		
<b>After 5 washes</b>		
8.12		
min. 22 N 5 lbf		
<b>Component Certified by UL for:</b>		
NFPA 1971 ed 07		
CAN/CGSB 155.1		
<b>Results</b>		
<b>Warp</b>		<b>Fill</b>
<1		<1
20 mm 0.8"		20 mm 0.8"
Complies		
<b>Warp</b>		<b>Fill</b>
<1		<1
25 mm 1.0"		25 mm 1.0"
Complies		
-3.0		-2.0
-2.0		-2.0
complies		
complies		
<5		<3
205 N 46 lbf		145 N 33 lbf
190 N 43 lbf		145 N 33 lbf
yes		
yes		



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