

STAY DRY PLUS®

60% Lenzing FR®
40% Kevlar®



The best protective inherent
FR WELDING fabric

SAFEWELD® 950

A dangerous and demanding environment faces the welder virtually every day. Difco **Safeweld® 950** is designed specifically to meet and exceed the needs of welders.

Safeweld uses an advanced blend of Lenzing FR® /Kevlar® (60/40 blend), weighs only 9.0 o.p.s.y. features a Twill weave construction and is finished with Difco's superior Stay Dry Plus® water repellent finish.

In field tests in some of the most demanding environments, Safeweld is still going strong after 4 years of intensive use, making it exceptionally cost-effective, stronger and more durable than cotton with less repairs and lasts 6 to 8 times longer than cotton.

Furthermore, **Safeweld® 950** was tested at the Kinectrics high current Lab for Arc Flash resistance. The Arc Thermal Performance Value (ATPV) obtained was 8.1 Cal/cm2 complying with NFPA 70E (Level 2) standard for the FR protection against Arc Flash.

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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DIFCO® is a registered trademark of TenCate Performance Fabrics.
Safeweld® is a registered trademark of TenCate Performance Fabrics.
Kevlar® is a registered trademark of E.I. DuPont de Nemours and Company.
DuPont Canada is a licensee
Lenzing FR® is a registered trademark of Lenzing AG Austria
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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TECHNICAL SPECIFICATIONS

Rev:190310

			Safeweld® 950	
Weight			9.0 oz/yd ² 305 g/m ²	
Fiber Content			60% Lenzing FR® 40% Kevlar®	
Weave			Twill	
Color				
Test	Method & Specification		Performance	
Flame Resistance initial				
Afterflame (sec)	ASTM D6413	max. 2 sec	0	0
Char length (mm)		max. 100 mm 4.0"	25 mm 1.0"	25 mm 1.0"
Melt / Drip		no melt, no drip	complies	
Thermal shrinkage resistance (%)	500°F/5 min.	max. 3%	< 2%	< 2%
Heat resistance		shall not melt, separate or ignite	complies	
Electric Arc Resistance	ASTM F1959 ATPV cal/cm ²	no minimum	8.1 (Level 2) HAF 75%	
Thermal Protective Performance	TPP per CGSB 155.20 & Can/CGSB 155.22	min. 6 cal/cm ² with spacer	Contact: 7.2 Spacer: 11.4	
Dimensional Stability 5 cycles	AATCC 135 1 - V - Ai	max. 5%	< 5%	< 4%
Tensile Strength - Grab	ASTM D5034 or Can/CGSB 4.2 9.2	no spec.	1380 N 310 lbf	1065 N 239 lbf
Tear resistance - Trap	ASTM D5587 or Can/CGSB 4.2 12.2	*min. 45 N 10 lbf	100 N 22 lbf	60 N 13 lbf
Water repellency	AATCC 22	Rating Initial	100	
		After 5 launderings	min. 90	
* minimum as per CGSB 155.22				
UL component certified to:	NFPA 2112 ed. 2007		No	
	CAN/CGSB 155.20 ed. 2000		compliant not UL certified	
	NFPA 1977 ed. 2005		No	
	CAN/CGSB 155.22 ed. 1997		compliant not UL certified	
	NFPA 1975 ed. 2009		No	
Compliant to:	ASTM F1506 (NFPA 70E /CSA Z462)		Yes	



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