

DEFENDER[®]M



**DESIGNED TO
ADAPT**

DEFENDER[®] M
DM 9190 – 190 g/m²

BEST PROTECTION AGAINST BODY BURN INJURY

Defender[®]M provides the best available protection against severe body burns from improvised explosive devices (IED's), blasts and fuel.

STRONGEST FABRIC

When tested against other FR fabrics, the next-generation of Defender[®]M comes out as best-in-class. With its superior strength and outstanding resistance to abrasion and fading, the fabric ensures a longer wear life of the garment.









STRONG AND FLEXIBLE

After exposure to heat and flames, the fabric remains supple and shows good strength retention. As a result, the skin of the wearer remains protected in an emergency.




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TECHNICAL DATA	DEFENDER [®] M	TEST METHOD
Quality	DM 9190	
Width	163 cm (+2/-1 cm)	ISO 22198: 2006
Weight	190 g/m ² (± 5%)	ISO 3801: 1977
Composition	Lenzing FR [®] /aramid/ polyamide/anti-static	
Construction	Ripstop plain	
Available finishes	Hydro-Tec [™]	

Physical performance		
Tensile strength	1400 N x 1100 N (-10%)*	ISO 13934-1: 1999
Tear strength	95 N x 90 N (-10%)	ISO 13937-2: 2000
Abrasion	≥ 100.000 @12kPa*	ISO 12947-2: 2002
Dimensional stability	± 3%	ISO 5077: 2007
Air permeability	> 200 L/m ²	ISO 9237: 1995
Heat resistance 180°C	± 5% shrinkage. Does not melt or self ignite	ISO 17493: 2000

Care labelling		
Domestic laundering	    	
PPE requirements*	  	

* Copyright symbols: NEN, Delft (Netherlands)

CERTIFICATION		
	Industrial flame & heat hazards	EN ISO 11612 A1,A2,B1,C1: 2008
	Liquid chemicals	EN 13034, type 6: 2005
	Anti-static for explosion risk	EN 1149-5: 2008, EN 1149-3: 2004
	Oko-Tex Standard, class 2	Centexbel, no. 1308029



Member of the E.T.S.A.



Ten Cate Protect B.V. is
certified according:



All mentioned data must be considered as indicative values. To the best of our knowledge all information contained herein is accurate. TenCate Protective Fabrics Europe declines any form of liability related to the use of the attached specimen that shall be regarded as a sample only and therefore not meant to be used in any form of garment making.