

DEFENDER[®]M



**DESIGNED TO
ADAPT**

DEFENDER[®] M
DM 9180 – 180 g/m²

SUPERIOR THERMAL PROTECTION

Protects against heat and flame (complies with EN ISO 11612 A1, A2, B1, C1: 2008) and offers an optimized protection against severe body burns caused by improvised explosive devices (IED's), blasts and fuel.

HIGHLY COMFORTABLE

Ultra light, extremely breathable and excellent moisture absorption.










UNBEATABLE DURABILITY

Excellent resistance to wear, tear and fading are combined to provide a long useful garment life.




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TECHNICAL DATA	DEFENDER [®] M	TEST METHOD
Quality	DM 9180	
Width	163 cm (+2/-1 cm)	ISO 22198: 2006
Weight	180 g/m ² (± 5%)	
Composition	Lenzing FR [®] /para-aramid/polyamid /anti-static	
Construction	2/1 Twill	
Available finishes	Hydro-Tec [™]	

Physical performance		
Tensile strength	750 N x 650 N (±10%)	ISO 13934-1: 1999
Tear strength	45 N x 40 N (±10%)	ISO 13937-1: 2000
Abrasion	50,000 @ 12 kPa	ISO 12947-2: 2002
Dimensional stability	± 3%	ISO 5077: 2007
Air permeability	> 300 L/m ² /s @ 100 Pa	ISO 9237: 1995
Flame resistance	meets ISO 14116: 2008	ISO 15025: 2000
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
	General requirements	EN 340: 2003

** Hydro-Tec finish only



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.