

DEFENDER®M

5.5 Mesh



**DESIGNED
TO ADAPT**

PROVEN PROTECTION

The original Defender®M was worn by every U.S. ground troop in Afghanistan and Iraq. Defender®M knits can include a la carte protection options like MicrobeSHIELD™ and StaticSHIELD™.

LIGHTWEIGHT COMFORT

Lightweight knit fabrics provide greater breathability and comfort.

EXCEPTIONAL DURABILITY

The knit fabric retains its strength, color, size and appearance after harsh use and repeated washings.

DEFENDER[®]M

5.5 Mesh

TECHNICAL DATA*	DEFENDER [®] M 5.5 MESH
Nominal Weight	5.5 osy (186 gsm)
Construction	Mesh Knit
Color	Solids
Finish	FR Rayon, Aramid, Nylon, Spandex

Flame Resistance			
Vertical Flame ASTM 6413	Initial and 25x after wash	After flame	< 2.0 sec
		After Glow	< 5.0 sec
		Char length	< 5.0 in (127 mm)

Physical Testing		
Bursting Strength ASTM D3787	Initial	> 35 lbf (155N)
Dimensional Stability AATCC 135	After 5 Cycles	< 7.0 %

Comfort	
Air Permeability ASTM D737	< 240 ft ³ /ft ² /min
Wicking	< 3 in/hr

Appearance (Score 5 Best to 1 Worst)			
Color Fastness	Laundering	Shade Change	Up to 4 *
	Xenon Light Exposure AATCC 16	After 40 hours	Up to 3 *
		Perspiration AATCC 15	Acid
	Alkaline		Up to 3-4 *
	Crocking AATCC 8	Dry	Up to 4-5 *
		Wet	Up to 4 *
	Pilling ASTM D3512	Initial	Up to 4 *
		After 5 cycles	Up to 3 *

* Appearance is dependent on shade of fabric.

Sunlight/UV Exposure Advisory: Prolonged sunlight and UV exposure can be damaging to aramid fibers. Both natural (undyed) and dyed aramid fibers will fade or change color with exposure to sunlight or other UV sources. The thermal performance is not affected, but long term or repeated exposures will cause the fabric to gradually weaken. Garments should be stored so that they are protected from sunlight, including windows and bay doors, to maximize wear life. TenCate Protective Fabrics offers no warranties, implied or otherwise, for color change or fabric damage due to UV exposure.



TenCate Protective Fabrics
is certified according to:



All mentioned data must be considered as indicative values. To the best of our knowledge all information contained herein is accurate. TenCate Protective Fabrics 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.