

Advance EOD Suit High Protection PCS-2



Our Bomb Suits deliver solutions for EOD and IEDD operators during Reconnaissance, IED Manipulation and Render safe procedures. PC-2 provides a balance of high level protection with ergonomic considerations. The helmet incorporates air circulation a quick release mechanism allows egress out of the suit very easy and quick. It not only protects the human body from fragments, but also reduces blast over pressure generated in an explosion. With the ECS-03 cooling system, it reduces fatigue during hot weather.

- Comfortable yet with V_{50} protection at chest is above 2000 m/s
- Ventilating system prevent the visor from fogging.
- Weaken the shock overpressure.
- Removable enhanced plates.
- Tested with grain 17 fragment simulator for V_{50} as per NATO.

Bullet proof Mask	V₅₀	744 m/sec
	Thickness	22.4mm
	Weight	1032g
	Material	Organic transparent composite
Bulletproof Helmet	V₅₀	780 m/sec
	Size	361×273×262mm
	Protective Area	0.25m ²
	Weight	4104g
	Material	Kevlar composites laminated
Front of smock (Main body of smock)	V₅₀	654m/s
	Size	580×520mm
	Weight	1485 g
	Material	34-layer woven fabric (Aramid fiber)
Blast plate +The front of smock	V₅₀	> 2022m/s
	Throat Plate Dimension	270×160×19.7mm
	Throat Plate Weight	1310 g
	Abdominal Plate Dimension	330×260×19.4mm
	Abdominal Plate Weight	2060 g
Arm (Right Arm, Left Arm)	V₅₀	531m/s
	Size	500×520 mm
	Weight	1486 g
	Material	25-layer woven fabric (Aramid fiber)
Thigh area	Thigh front V₅₀	593m/s
	Thigh rear V₅₀	492m/s
	Size	530×270mm
	Weight	529g
	Material	30 layers front and 21-layer woven fabric (Aramid fiber)
Shin area	Shin front V₅₀	593m/s
	Shin rear V₅₀	492m/s
	Size	460×270mm
	Weight	632 g
	Material	30 layers and 21 layer woven fabric (Aramid fiber)
Suit Total Weight	32.7 kg of medium size	
Power supply	12V battery	
Cooling fan	200 liters/min, adjustable speed	

