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KARAM®

HELMET ATTACHABLE FACE SHIELD WITH CLEAR POLYCARBONATE VISOR ES 51

IS 8521-1:1977
CM/L 8300132906

CERTIFIED TO EN 166:2001, IS8521:PART 1:1997 & CONFORMS TO ANSI Z87.1:2020

1	**GENERAL PARAMETERS**	BRACKET HOLDER	• Material: Polypropylene • Holding Knobs: 5 Nos. • Adjustment Clips: One on each lateral side for mounting on the Helmet • Suitable For Helmet Slot Size/ Suitable for all KARAM Helmets • Adjustment positions: 03
		POLYCARBONATE VISOR	• Material: Polycarbonate Visor outlined with Aluminium strip. • Size: 8 Inches X 15.5 Inches • Weight: 100-102 gms. • Thickness: 1.15mm • Ergonomics: Changeable & Replaceable. • Application: General Industry
2	**VITAL TEST COMPLIANCE AS PER EN 166:2001**	PROTECTION AGAINST HIGH SPEED PARTICLES	Visor withstands the impact of a 6mm nominal diameter steel ball, weighing 0.86 gm at a speed of 45 m/s.
		INCREASED ROBUSTNESS	When dropped from a height of 1.27 – 1.31 mtrs. to attain velocity of 5.1m/s, visor withstands the impact of 22 mm nominal diameter ball, weighing 44gm.
		OPTICAL HAZARD PROTECTION	• 99.9% UV Protection. • Transmittance (280-380 nm) < 0.1%

TECHNICAL DATA SHEET

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		CORROSION RESISTANCE	No Corrosion observed on metal parts of Visor when tested as per CE Standards.
		FLAME RESISTANCE	Visor did not ignite when tested as per CE Standards.
3	**VITAL TEST COMPLIANCE AS PER ANSI Z87.1:2020**	OPTICAL REQUIREMENTS	Complies all the optical requirements as per ANSI standard. Luminous Transmission- Not less than 85%. Haze- Not exhibit more than 3% Far-Ultra-Violet Average Transmittance %- Scale U4 complies Near Ultra-Violet Average Transmittance% - Scale U4 complies
		IGNITION	No protector shall ignited or continue to glow once the rod is removed & complies as per ANSI standard.
		CORROSION RESISTANCE OF METAL COMPONENTS	No corrosion observed on metal parts of Visor when tested as per ANSI Standards.
		MINIMUM COVERAGE AREA	The lens covered in plane view an area of not less than 40 mm (1.57 in.) in width and 33 mm (1.30 in.) in height (elliptical) in front of each eye, cantered on the geometrical centre of the lens. Hence complies with ANSI standard.
		LATERAL (SIDE) COVERAGE	The probe does not contact within the defined coverage area. Hence complies as per ANSI standard.
		HIGH MASS IMPACT	The complete device is capable to resisting an impact from a pointed projectile weighing 500 g (17.6 oz.) dropped from a height of 127 cm (50.0 in.). Hence complies as per ANSI standard.
		HIGH VELOCITY IMPACT	The complete device is capable to resisting impact from a 6.35 mm (0.25 in) diameter steel ball traveling at the velocity of 91.4 m/sec. No contact with the eye of the headform observed as a result of impact. Hence complies as per ANSI standard.
		PENETRATION TEST (LENSES ONLY)	Lenses for all complete devices shall be capable of resisting penetration by a weighted needle with a total weight of 44.2 gm (1.56 oz.) dropped from a height of 127 cm (50.0 in.). Hence complies as per ANSI standard.