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# **ELECTRIC ARC WELDER'S CHOICE ES 004**



**CERTIFIED TO EN 166:2001, EN 175:1997; CONFORMS TO ANSI Z 87.1-2010**

1	<b>GENERAL PARAMETERS</b>	DESIGN	<ul style="list-style-type: none"> <li>Has a wide soft PVC body which provides an excellent comfort to the wearer.</li> <li>It is provided with a flip- up window to enable clear vision during those times when welding operation is not in progress.</li> <li>It is provided with four indirect ventilation caps- two on top and two at bottom.</li> <li>Comes with fully adjustable elastic head-band for a snug fit.</li> <li>Lens can easily be replaced</li> </ul>
		APPLICATION	Electric arc welding (MIG, TIG etc) for secondary welder
		LENS SHADE NUMBER	IR-11 for electric arc welding (IR-5 option available)
		MECHANICAL HAZARD PROTECTION	Frontal impact resistance
		OPTICAL HAZARD PROTECTION	99.9% UV protection IR protection
		MATERIALS	Lens – Class 1 Polycarbonate Shroud – PVC
		COATING	Hard Coated lens for scratch resistance
2	<b>VITAL COMPLIANCE TEST</b>	MECHANICAL HAZARD PROTECTION	<b>Resistance to low impact energy of high speed particles</b> Withstands the impact of a 6mm nominal diameter steel ball, weighing 0.86 gm at a speed of 45 m/s. Also withstands the impact of a 22mm nominal diameter, weighing 44gm. When dropped from a height of 1.27 – 1.31 mtrs.
		OPTICAL HAZARD PROTECTION	<b>99.9% UV Protection</b> Max spectral transmittance 313 nm < 0.0003%; 365 nm < 0.0032% <b>IR Protection</b> Mean transmittance (780-1400 nm) < 0.05%
		OPTICAL POWER	<b>Zero Power Lens</b> Spherical refractive power within $\pm 0.06$ Dioptre Astigmatic refractive power within 0.06 Dioptre



		CORROSION RESISTANCE	No corrosion observed on metal parts of Spectacle when tested as per IS, CE & ANSI standards.
		FLAME RESISTANCE	Spectacle did not ignited when tested as per CE & ANSI standards.