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# EXECUTIVE CHOICE SAFETY SPECTACLES ES 005 (CLEAR)



CERTIFIED TO IS 5983:1980, EN 166:2001, CONFORMS TO ANSI Z 87.1-2010

1	GENERAL PARAMETERS	TYPE	Spectacles
		DESIGN	<ul style="list-style-type: none"> <li>Extremely lightweight</li> <li>Wrap-around design for better coverage.</li> <li>Adjustable temple length within a range of 14mm to customize the fit on the user's head.</li> <li>Provides optimum protection against harmful UV radiation.</li> </ul>
		APPLICATION	<ul style="list-style-type: none"> <li>Construction sites: areas where sand and large dust/flying particles are blowing at a high speed.</li> <li>Metal – processing shops.</li> </ul>
		LENS COLOUR OPTIONS	Clear /Antifog
		MECHANICAL HAZARD PROTECTION	Frontal, lateral impact resistance Lateral Protection
		OPTICAL HAZARD PROTECTION	99.9% UV Protection
		MATERIALS	Lens – Class 1 Polycarbonate Frame – Nylon
		OPTICAL CLASS	Class 1
		LENS SCALE FOR CLEAR LENS	3-1.2
		COATINGS	Hard coated for scratch resistant, Antifog
2	VITAL TEST COMPLIANCE	WEIGHT	< 26 gms approx.
		MECHANICAL HAZARD PROTECTION	<b>Resistance to low impact energy of high speed particles at extremes of temperature:</b> Withstands the impact of a 6mm nominal diameter steel ball, weighing 0.86 gm at a speed of 45 m/s. The impacts are carried out after conditioning the eyewear to temperatures of $(55 \pm 2) ^\circ\text{C}$ and $(-5 \pm 2) ^\circ\text{C}$

		INCREASED ROBUSTNESS	Also withstands the impact of 22 mm nominal diameter, weighing 44gm. When dropped from a height of 1.27 – 1.31 mtrs.
		OPTICAL HAZARD PROTECTION	99.9% UV protection Transmittance (280-380 nm) < 0.1%
		OPTICAL PROPERTIES	Spherical refractive power of clear lens within $\pm 0.06$ m-1
			Astigmatic refractive power of clear lens $\pm 0.06$ m-1
			Prismatic refractive power for clear horizontal base Out $\leq 0.75$ cm/m; Base in $\leq 0.25$ cm/m; Vertical $\leq 0.25$ cm/m
			Max spectral transmittance in UV-313nm of Clear lens- 0.0003%
			Max spectral transmittance in UV-365nm of Clear lens- 50%
			Luminous transmittance in visible spectra of Clear Lens- 74.4-100% & for Smoked Lens- 17.8-29.1%
		CORROSION RESISTANCE	No Corrosion observed on metal parts of Spectacle when tested as per relevant standards.
		FLAME RESISTANCE	Spectacle did not ignited when tested as per relevant standards.