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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"> Extremely lightweight Wrap-around design for better coverage. Adjustable temple length within a range of 14mm to customize the fit on the user's head. Provides optimum protection against harmful UV radiation.
		APPLICATION	<ul style="list-style-type: none"> Construction sites: areas where sand and large dust/flying particles are blowing at a high speed. Metal – processing shops.
		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
		WEIGHT	< 26 gms approx.
2	VITAL TEST COMPLIANCE	MECHANICAL HAZARD PROTECTION	<p>Resistance to low impact energy of high speed particles at extremes of temperature:</p> <p>Withstands the impact of a 6mm nominal diameter steel ball, weighing 0.86 gm at a speed of 45 m/s.</p> <p>The impacts are carried out after conditioning the eyewear to temperatures of $(55 \pm 2)^\circ\text{C}$ and $(-5 \pm 2)^\circ\text{C}$</p>



TECHNICAL DATA SHEET

	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 ± 0.06 m-1	
	Astigmatic refractive power of clear lens ± 0.06 m-1	
	Prismatic refractive power for clear horizontal base Out ≤ 0.75 cm/m; Base in ≤ 0.25 cm/m; Vertical ≤ 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.