

**PRODUCT: SAFETY SPECTACLES**

**REF. NO.: ES 005**

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CONFORMING TO IS 5983, EN 166 AND ANSI Z87.1

<b>1</b>	<b>GENERAL PARAMETERS</b>	TYPE	Spectacles
		DESIGN	Framed, Wraparound Spectacle Adjustable Temple Length Flexible Nose Pad and Temples
		APPLICATION	All Industrial Environment where Dust/Flying Particles Protection or Ultraviolet Protection is required
		LENS COLOUR OPTIONS	Clear, Smoked
		MECHANICAL HAZARD PROTECTION	Frontal, Lateral Impact Resistance Lateral Protection
		OPTICAL HAZARD PROTECTION	99.9% UV Protection
		MATERIALS	Lens – Polycarbonate Frame – Special Grade Nylon Nose Pad - PVC
		OPTICAL CLASS	Class I (Clear & Smoked) Scale for ES005(Clear) – 3 - 1.2 Scale for ES005(Smoked) – 5 - 2.5
		COATINGS	Available in two options: Hard Coated (Scratch Resistant) Antifog Coated (Fog Resistant)

2	<b>VITAL TEST COMPLIANCE</b> (It Conforms to all the Mandatory Requirements as per IS , CE & ANSI)	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 ± 2) °C and (-5 ± 2) °C 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	99.9% UV Protection
		OPTICAL POWER	<b>Zero Power Lens</b> Spherical Refractive Power within ± 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.
		RESISTANCE TO IGNITION	Spectacle did not ignited when tested as per ISI, CE & ANSI Standards.