

**PRODUCT : SAFETY SPECTACLES**

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CONFORMING TO EN 166 AND ANSI Z87.1

1	<b>GENERAL PARAMETERS</b>	TYPE	Spectacles
		DESIGN	Framed, Wraparound Spectacle Adjustable Temple Length Flexible Nose Pad and Temples
		APPLICATION	All Industrial Settings 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 – Nylon
		OPTICAL CLASS	Class I
		COATINGS	Hard Coated (Scratch Resistant)
2	<b>VITAL TEST COMPLIANCE</b>	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	<b>99.9% UV Protection</b> Transmittance (280-380 nm) < 0.1%
	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.
<b>VITAL TEST COMPLIANCE</b>	FLAME RESISTANCE	Spectacle did not ignited when tested as per ISI , CE & ANSI Standards .