

PRODUCT: SAFETY SPECTACLES

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CONFORMING TO EN 166:2001 &
ANSI Z 87.1-2010

1	GENERAL PARAMETERS	TYPE	Spectacles
		DESIGN	Frameless Spectacle Integrated Side Shields Over Prescription Glasses
		APPLICATION	All Industrial Settings where Dust/Flying Particles Protection or Ultraviolet Protection is required and where the user wears Prescription Glasses
		LENS COLOUR	Clear
		MECHANICAL HAZARD PROTECTION	Frontal, Lateral Impact Resistance Lateral Protection
		OPTICAL HAZARD PROTECTION	99.9% UV Protection
		MATERIALS	Lens – Polycarbonate Temples – Polycarbonate
		OPTICAL CLASS	Class I
		COATINGS	Hard Coated (Scratch Resistant)
2	VITAL TEST COMPLIANCE	MECHANICAL HAZARD PROTECTION	Resistance to Low Impact Energy of High Speed Particles at Extremes of Temperature 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 Transmittance (280-380 nm) < 0.1%

		OPTICAL POWER	Zero Power Lens Spherical Refractive Power within ± 0.06 Dioptre Astigmatic Refractive Power within 0.06 Dioptre
	VITAL TEST COMPLIANCE	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 ISI, CE & ANSI Standards.