

**PRODUCT: SAFETY SPECTACLES**

**REF. NO. : ES 001**



DOC. NO.	QF/RD/05
ISSUE	01
REVISION	02
DATE	01 Mar 2013

CONFORMING TO EN 166 AND ANSI Z87.1

<b>1</b>	<b>GENERAL PARAMETERS</b>	TYPE	Spectacles
		DESIGN	Frameless, Wraparound Spectacle
		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	<b>99.9% UV Protection</b>
		MATERIALS	Lens – Polycarbonate Temples – Polycarbonate
		OPTICAL CLASS	Class I
		COATINGS	Hard Coated (Scratch Resistant)

2	<b>VITAL TEST COMPLIANCE</b>	MECHANICAL HAZARD PROTECTION	<p><b>Resistance to Low Impact Energy of High Speed Particles at Extremes of Temperature</b></p> <p>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 <math>(55 \pm 2) ^\circ\text{C}</math> &amp; <math>(-5 \pm 2) ^\circ\text{C}</math>. Also withstands the impact of a 22mm nominal diameter , weighing 44gm. When dropped from a height of 1.27 – 1.31 mtrs.</p>
		OPTICAL HAZARD PROTECTION	<p><b>99.9% UV Protection</b></p> <p>Transmittance (280-380 nm) &lt; 0.1%</p>
		CORROSION RESISTANCE	<p>No Corrosion observed on metal parts of Spectacle when tested as per IS, CE &amp; ANSI Standards.</p>
		OPTICAL POWER	<p><b>Zero Power Lens</b></p> <p>Spherical Refractive Power within <math>\pm 0.06</math> Dioptre Astigmatic Refractive Power within 0.06 Dioptre</p>
		FLAME RESISTANCE	<p>Spectacle did not ignited when tested as per ISI , CE &amp; ANSI Standards .</p>