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SAFETY SPECTACLES ES 003



CERTIFIED TO EN 166:2001, CONFORMS TO ANSI Z 87.1-2010

1	GENERAL PARAMETERS	TYPE	Spectacles
		DESIGN	<ul style="list-style-type: none"> • Frameless Spectacle • Integrated Side Shields • Adjustable Temple Length & Angle • Flexible Temples
		APPLICATION	All Industrial Settings where Gas Welding, Areas with Molten Metal and Furnaces etc.
		LENS SHADE NUMBER	IR-5 for Gas Welding
		MECHANICAL HAZARD PROTECTION	Frontal and Lateral Impact Protection
		OPTICAL HAZARD PROTECTION	99.9% UV protection IR protection
		MATERIALS	Lens – Polycarbonate Frame – Nylon
		OPTICAL CLASS	Class 1
		LENS SCALE MARKING	4-5 K 1 FT
		COATING	Hard Coated lens for scratch resistance
		WEIGHT	< 27 gms
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> <p>Impact Rated Z87+ as per ANSI standard.</p>

		INCREASED ROBUSTNESS	When dropped from a height of 1.27 – 1.31 mtrs to attain velocity of 5.1m/s. withstands the impact of 22 mm nominal diameter, weighing 44gm.
		OPTICAL PROPERTIES & HAZARD PROTECTION	99.9% UV Protection
			Max Spectral Transmittance 313 nm < 0.0003%; 365 nm < 0.3%
			Spherical Refractive Power of Lens within ± 0.06 D
			Astigmatic Refractive Power of Lens ± 0.06 D
			IR Protection Mean Transmittance (780-1400 nm) < 3.2%
		FLAME RESISTANCE	Spectacle did not ignite when tested as per CE and ANSI Standards.
		CORROSION RESISTANCE	All Metal Parts are free from sharp edges and corrosion.