

TECHNICAL DATA SHEET

PRODUCT : SAFETY SPECTACLES
REF. NO. : 09126/000 & 09126/080



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CONFORMING TO
EN 166 AND ANSI

1	GENERAL PARAMETERS	TYPE	Spectacles
		DESIGN	Framed, Wraparound Spectacle Adjustable Temple Length Soft Nose Pad and Temples
		APPLICATION	All Industrial Settings where Dust/Flying Particles Protection or Ultraviolet Protection is required
		LENS COLOUR OPTIONS	Clear, Smoked, Clear Anti-fog
		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
		LENS SCALE FOR CLEAR LENS	3-1.2
		LENS SCALE FOR SMOKED LENS	5-3.1
		COATING	Hard Coated for Scratch Resistant

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		WEIGHT	< 35 gms
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
		INCREASED ROBUSTNESS	Also withstands the impact of 22 mm 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 PROPERTIES	Spherical Refractive Power of Clear Lens within ± 0.06 m-1
			Astigmatic Refractive Power of Clear Lens ± 0.06 m-1
			Prismatic Refractive Power for Clear & Smoked Lens- Horizontal base out ≤ 0.75 cm/m; Base in ≤ 0.25 cm/m; Vertical ≤ 0.25 cm/m
			Max spectral transmittance in UV-313nm of Clear Lens- 0.0003%
			Max spectral transmittance in UV-365nm of Clear Lens- 10%
			Max spectral transmittance in UV range : 280-315nm of Smoked Lens- 0.1%
		CORROSION RESISTANCE	No Corrosion observed on metal parts of Spectacle when tested as per CE & ANSI Standards
		FLAME RESISTANCE	Spectacle did not ignite when tested as per CE & ANSI Standards.