KARAM Industries





PRODUCT: SAFETY SPECTACLES REF. NO.: ES 001 (CLEAR & SMOKED)

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CONFORMING TO EN 166: 2002, & ANSI Z87.1-2010

| | 1 | |
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| GENERAL | ТҮРЕ | Spectacles |
| PARAMETERS | 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 | 99.9% UV Protection |
| | MATERIALS | Lens – Polycarbonate Temples – Polycarbonate |
| | OPTICAL CLASS | Class 1 |
| | LENS SCALE FOR CLEAR LENS | 3-1.2 |
| | LENS SCALE FOR SMOKED LENS | 5-2.5 |
| | COATINGS | Hard Coated for Scratch Resistant, Antifog |
| | WEIGHT | < 26 gms |

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| 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% |
| | | | 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 |
| | | OPTICAL PROPERTIES | 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% |
| | | | Luminous transmittance in visible spectra of Clear Lens- 74.4-100% & for Smoked Lens- 29.1-43.2% |
| | | 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. |

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