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## CHEMICAL ENVIRONMENT USER'S CHOICE ES 008 (CLEAR)



CERTIFIED TO EN 166:2001 AND ANSI Z87.1-2010

|   |                    |                              |  |
|---|--------------------|------------------------------|--|
| 1 | GENERAL PARAMETERS | DESIGN                       | <ul style="list-style-type: none"> <li>• Comes with soft and wide PVC casing around the rim to ensure 100% sealing of the eyes against chemical and liquid splashes.</li> <li>• Provided with Indirect ventilation slits on both the top and the bottom parts of the rim to allow for air circulation.</li> <li>• Equipped with fully adjustable elastic headband for snug fit.</li> <li>• Comes with unique wraparound design.</li> </ul> |
|   |                    | APPLICATION                  | Areas exposed to chemical and liquid splashes.   |
|   |                    | LENS COLOUR OPTIONS          | Clear  |
|   |                    | MECHANICAL HAZARD PROTECTION | Frontal, Impact Resistance   |
|   |                    | OPTICAL HAZARD PROTECTION    | 99.9% UV Protection  |
|   |                    | MATERIAL                     | Lens – Class 1 Polycarbonate<br>Shroud – PVC   |
|   |                    | OPTICAL CLASS                | Class I  |
|   |                    | LENS SCALE FOR CLEAR LENS    | K 1 BT 9 O CE  |
|   |                    | COATINGS                     | Hard coated for Scratch resistance;<br>Anti-fog coated   |
|   |                    | WEIGHT                       | 105 gms approx.  |

|   |                       |                              |  |
|---|-----------------------|------------------------------|--|
| 2 | VITAL TEST COMPLIANCE | MECHANICAL HAZARD PROTECTION | <p>Resistance to medium 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 120 m/s.</p> <p>The impacts are carried out after conditioning the eyewear to temperatures of (55 ± 2) °c and (-5 ± 2) °c.</p> <p>Also withstands the impact of a 22mm nominal diameter, weighing 44gm. When dropped from a height of 1.27 – 1.31 mtrs.</p> <p>It provides the protection against molten metals and hot solids.</p> <p>Shroud provides the protection against droplets and splashes of liquids.</p> <p>Shroud provides the protection against large dust particles</p> |
|   |                       | HIGH MASS IMPACT             | As per ANSI Z87.1 Standard a 500g projectile made of steel and shall have a 30° conical tip with a 3.18 mm spherical radius and have a diameter of 25 mm is dropped over the head-form, tip down, at the designated test height of 127 cm.   |
|   |                       | INCREASED ROBUSTNESS         | As per EN166 standard steel ball when dropped from a height of 1.27 – 1.31 mtrs. Withstands the impact of 22 mm nominal diameter, weighing 44gm.   |
|   |                       | PENETRATION TEST             | As per ANSI Z87.1 standard, A pointed projectile 44.2g shall be freely dropped through the guide tube, point downward within a 20 mm circle centered in front of each eye of the headform, two on the left viewing area and two on the right viewing area.   |
|   |                       | OPTICAL HAZARD PROTECTION    | 99.9% UV Protection:<br>Transmittance (280-380 nm) < 0.1%  |
|   |                       | FLAME RESISTANCE TEST        | Spectacle did not ignite when tested as per CE and ANSI Standards.   |
|   |                       | RESISTANCE TO FOGGING        | It remains free from fogging for a minimum of 08 seconds when tested as per standards.   |
|   |                       | OPTICAL POWER                | <p><b>Zero Power Lens:</b></p> <p>Spherical Refractive Power within ± 0.06 Diopter</p> <p>Astigmatic Refractive Power within 0.06 Diopter</p>  |
|   |                       | CORROSION RESISTANCE         | No corrosion observed on metal parts of Spectacle when tested as per CE and ANSI Standards   |