



TECHNICAL DATA SHEET

UD 81

Safety Spectacle

Product Introduction:

- Udyogi UD-81 Safety Spectacles are designed to offer superior protection for workers in various industrial environments.
- These frameless, light weight, snug fitting, polycarbonate lenses provides ideal impact protection around the eyes.
- Designed to meet IS 8521-Part-1:2022 and EN 166:2001 standard.



Features:

- Polycarbonate temple with polycarbonate lens.
- Snug-fitting wrap around lens provides perfect impact protection around the eyes.
- Anti-fog & hard coating on lens ensures that the lenses remain clear even in humid environment and prevents scratches that expands shelf life.
- Modern temple design & soft temple tips contour to fit head shapes without stress.
- Lens offers users the clearest and the most panoramic view without obstruction.
- Lens filters out 99.9% of harmful UV light.
- On-piece lens, with dual 10 base curvature.

Benefits:

- **Impact Resistance:** The polycarbonate lenses offer resistance to medium-velocity impacts, protecting the eyes from flying particles, sparks, and debris in industrial environments.
- **Enhanced Comfort:** Polycarbonate is a lightweight material, reducing strain during prolonged use. Soft TPE temple tip provides extra comfort for long time use.
- **Recyclable:** Polycarbonate is recyclable. After the safety spectacles reach the end of their useful life, they can be recycled, helping to reduce environmental impact.
- **Durability:** The robust construction and weather-resistant properties of the Polycarbonate lens ensures long-lasting performance, even in harsh conditions

Udyogi



Product Specifications:

Model: UD 81 - Safety Spectacle
Lens: Component: Polycarbonate
Temple Component: Polycarbonate temple with soft TPE tip
Temple Length: 100.7 mm.
Width between temple tips: 105 mm.
Hinge to hinge width: 137 mm.
Max height of Lens: 43.7 mm.
Lens option: Clear & Grey
Optical Class: 1
Filter: 2-1.2 (Clear); 2-2.5 (Gray)
Impact Resistance: F (45 m/s)
Coating: K (Hard Coat) & N (Anti-fog)
Weight: 20 grams.
Packaging: 200 pcs. per carton
Standard: IS 8521-Part-1:2022 ; EN166 :2001,CE

Variants



Gray Lens



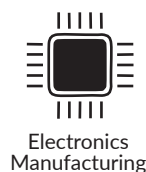
Anti Fog Coated

Applications:

- Protects eyes exposed to high speed low-energy impacts.
- Protection from flying rock, dust, debris, cement particles, metal shards, machinery hazards etc.
- Shields against liquid splashes and hazardous materials.

Industry :

These helmets are utilized for their protective and practical features in various industries such as





Safety Information :

- Avoid Exposure to High Temperatures although polycarbonate is durable, prolonged exposure to extreme heat may affect its integrity.
- Check the spectacles regularly for any cracks, scratches, or damage. Replace them if the integrity is compromised to ensure continued protection.
- Clean the lenses regularly with a soft, clean cloth to maintain clear vision. For stubborn dirt or chemical residue, use mild soap and water.

Usage Instructions :

- Place the spectacles over your eyes gently, ensuring they fit securely.
- Adjust the temples so the spectacles sit comfortably on your nose & ears
- Ensure the lenses cover your entire eye area, providing maximum protection without obstructing your vision.

Storage :

- Can be stored in the dark for up to 1 years
- Do not store in direct / high heat or sunlight as this may distort the color
- Can be stored and transported in their original cartons at ambient temperature (0° C to +30° C)