

TECHNICAL DATA SHEET

UD - 46

Safety Spectacle

Product Introduction:

- Udyogi UD-46 Safety Spectacles is wrap around single lens, designed to offer superior protection for workers in various industrial environments.
- These brow guard frame with polycarbonate lenses provide ideal impact protection around the eyes.
- Designed to meet IS 8521-Part-1:2022 and EN 166:2001 standard, which covers requirements for optical quality, mechanical strength, and impact protection.



Features:

- Brow guard frame with polycarbonate lens provides side protection.
- Polycarbonate lens with polycarbonate temple provides perfect impact protection around the eyes
- Modern temple design & soft nylon temple tips contour to fit head shapes without stress Anti-fog & hard coating on lens ensures that the lenses remain clear even in humid environment
- and prevents scratches that expands shelf life
- 5-point Length adjustable temples for all head sizes
- Brow guards shield the eyes from debris, dust, and other particles that might enter from above
- Lens offers users the clearest and the most panoramic view without obstruction
- Lens filters out 99.9% of harmful UV light. Slim, stylish temple furnish wearer with durability and resilience

Benefits

- **Impact Resistance:** The polycarbonate lenses offer excellent resistance to high-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 Nylon temple 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 shell ensure long-lasting performance, even in harsh conditions.

Storage :

- Can be stored in the dark for up to 2 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)

Product Specifications:

Model: UD 46 - Safety Spectacle

Lens Component: Polycarbonate

Temple Component: Nylon

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: 46 grams

Temple Length: 104.4 mm.

Width between temple tips: 88.63 mm.

Hinge to hinge width: 145 mm.

Max height of Lens: 55.22 mm.

Packaging: 100 pcs. per carton

Standard: EN 166:2001, CE

Variants



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.

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 prescription glasses, 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.