

LASER OUTSERT

Avon Protection is recognized as a world leader in respiratory and ballistic protection, delivering life critical solutions for Militaries and First Responders worldwide. As an innovative capability provider, we understand the unique requirements of the modern warfighter and tactical operator. This depth of specialization has ensured products are designed to protect our users in the most extreme conditions.

High powered hand-held lasers are a significant hazard to law enforcement and special operators in crowd control situations, presenting risk of flash blindness and potential eye injury. The sudden loss of vision from laser illumination is disorientating and debilitating.

To mitigate the threat of eye injury and eliminate laser-induced glare and flash blindness, Avon Protection offers a Laser Outsert for our world class 50, 53 and 54 series Air Purifying Respirators. The Laser Outsert is designed to protect against harmful laser wavelengths commonly produced by laser sighted weapons and hand-held devices.



FEATURES AND BENEFITS

- Flexible polycarbonate Outsert that simply attaches to the Avon 50, 53 and 54 series masks
- Provides additional eye protection
- Protects mask visor from wear, abrasions and scratches
- Improved ballistic protection
- Simple to use
- Users can fit and remove Outsert quickly while wearing the mask
- Provided with Outsert pouch for storage and lens cleaning



PERFORMANCE CHARACTERISTICS

| Parameter | Requirement | Test | Criteria | |
|---|--------------------------|------------------------|---------------|------|
| Quality of material & surface | DIN EN 207, Clause 3.5.1 | DIN EN 167, Clause 5 | Pass | |
| Diffusion of Light | DIN EN 207, Clause 3.5.2 | DIN EN 167, Clause 4 | Pass | |
| Luminous transmission* based on CIE source D65 | DIN EN 207, Clause 3.2 | DIN EN 167, Clause 6 | >40% | |
| Spectral Transmittance* (Angle of incidence = 0) | DIN EN 207, Clause 3.1 | DIN EN 167, Clause 6 | 200nm-400nm | OD>5 |
| | | | 694nm-713nm | OD>4 |
| | | | 963nm-1061nm | OD>4 |
| | | | 1062nm-1077nm | OD>3 |
| Resistance to laser radiation | DIN EN 207, Clause 3.3 | DIN EN 207, Clause 4.4 | Pass | |

* The Laser Outsert maintains the criteria stated in the table for Luminous Transmission and Spectral Transmittance after exposure to Ultraviolet Radiation, in accordance with DIN EN 168, Clause 6.

The Laser Outsert will absorb >90% of incident ultraviolet radiation when tested in accordance with EN 169, Scale Number 1.7, over the wavelength range 210nm-365nm.

ORDERING INFORMATION

| Part Number | Description | Systems | | | |
|-------------|---------------------------------|---------|------|------|------|
| | | C50 | FM50 | FM53 | FM54 |
| 607056 | Laser Outsert, single unit pack | | | | |