

3M

PS100

Passive Welding Shield



Data Sheet

Description:

The 3M™ PS100 Passive Welding Shield is designed to provide welders superior comfort and reliable protection. The PS100 has Breathing vents that assist in easy exhalation and help in reduction of CO2 build up inside the shield. - Ergonomic design helps in better balance of the shield

- Easy to operate and maintain
- Assured optics offer reliable safety and protection.
- Heat reflecting silver front reduces heating up of shield and provides enhanced comfort.

Applications:

The PS100 Passive Welding Shield is designed for most welding applications. Specifically for MMA, MIG/MAG and TIG welding. (Where risk for hidden arc occurs, specially at TIG welding, 3M™ Speedglas™ filters are recommended).

Approvals:

The PS100 Passive Welding Shield is approved as an Eye and Face protection system. The welding shield has been shown to meet the Basic Safety Requirements under Article 10 of the European Directive 89/686/EEC and is thus CE marked. The product complies with the harmonized European Standards EN 175 and EN 166. The product has been tested by: DIN CERTCO Gesellschaft für Konformitätsbewertung mbH , Alboinstraße 56 12103 Berlin, Notified body number: 0196.

Standards:

PS100 Passive Welding Shield 3M EN 175 F

3M = Identification of the manufacturer
EN 175 = The number of the Standard
F = Low energy impact

PS100 outside protection plates 3M FT
3M = Identification of the manufacturer
F = Low energy impact
T = Impact at Extremes of Temperature

PS100 inside protection plate 3M 1 FT
3M = Identification of the manufacturer
1 = Optical Class
F = Low energy impact
T = impact at Extremes of Temperature

Mechanical Strength EN 166, EN 175

No symbol	Minimum robustness
F	Low energy impact (45 m/s)
T	Tested at extremes temperature (-5°C and +55°C)



WELDING SHIELD THAT BREATHES !!

Materials

Protection plates: Polycarbonate
Plastics: Nylon blend, Polycarbonate blend
Optical Part: Glass
Headband Assembly: Polypropylene
Sweat brow pad: Synthetic cloth

Spare parts and accessories:

PS100 outer protection plates:
Standard PS100SOPP5 (5 pcs)

PS100 inner protection plate:
Standard PS100SIPP5 (5 pcs)

Shaded Glass:
DIN13 PS10013SG1 (1 pc)

Use Limitations:

PS100 Passive Welding Shield is not suitable for laser welding or laser cutting. PS100 Passive Welding Shield is excellent for all positions except heavy duty overhead cutting/welding operation due to the risk of molten metal. Please read the detailed user instructions for more details on use and its limitations

Technical specifications:

Weight: <425 g (complete assembly)
Viewing area: 85mm x 110 mm
UV/IR protection: According to shade number
Range of temperature
Use: -5°C - +55°C
Storage: -30°C - +70°C

User Instruction:

Step 1:

Remove protective film from the outer protection plate and insert in the flip assembly. Insert shaded glass followed by flat spring,

Step 2:

Remove the protective film from inner protection plate and insert in the slot of flip assembly black inner shield. Attach the head harness assembly on the inner shield.

Step 3:

Attach the silver flip assembly on the black inner shield.

Step 4:

Don the welding shield PS100 and adjust the head band to appropriately fit on the head. It is now ready to be used.

For further assistance, read the instruction booklet provided with PS100 Passive Welding Shield.



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