



TECHNICAL SPECIFICATION

CROMWELL F900 FIREFIGHTER HELMET WITH FACE GUARD

1. **Helmet** is designed, manufactured, tested, and certificated in accordance with the requirements of EN 443: 2008 with the added testing options of:
 - a. Wet Helmet electrical insulation
 - b. Surface electrical Insulation
 - c. Thermal minus conditioning at -30°C
 - d. Chemical resistance
2. **External Shell** is moulded from glass fibre pre impregnated with thermosetting resin
3. **External Shell Paint** is flame retardant urethane/acrylic
4. **Internal Impact Attenuating Liner Assembly** is replaceable, and is manufactured from polyurethane semi-rigid foam covered with a heat barrier fabric.
5. **Head Lining** is washable and replaceable and is fitted inside the above liner, is made from kermel fire retardant fabric.
6. **Headband** is manufactured from nylon and covered with knitted kermel fabric.
7. **Browband** is manufactured from nylon and covered with replaceable comfort linings.
8. **BA Compatibility** is achieved by use of the adjustable browband to provide integration with the breathing apparatus facemask.
9. **Retention System** is adjustable at the neck, the chin and the crown of the head.
10. **Chinstrap** is constructed from flame retardant nomex with quick release wide-guard buckle (no metal parts).
11. **Size Adjustment** by means of a lockable ratchet controlled adjustable headband covering the size range 52 - 65 cms.
12. **Face Guard** is designed, manufactured and tested in accordance with the requirements of EN 14458: 2004, with the added options of:
 - a. Protection against high speed particles (high impact energy) at extreme temperature requirement
 - b. Molten metals and hot solids

Manufactured from optically correct 2mm Polyphenylsulfone (PPSU) with anti-fog/anti-scratch (AF/AS) coating as standard.
13. **Face Guard Cover** is resin transfer moulded glass fibre in white or yellow - For other colours the cover is painted with flame-retardant urethane/acrylic paint.
14. **Neck Curtain** (optional item) is made from Kermel material
15. **Weights:**

Approximate weight of Helmet complete with:	
- Face Guard and Face Guard Cover	1650 gms
- Approximate weight of Neck Curtain	60 gms
16. **Colour Options:** Yellow, White, Orange, Red, Green, Blue, Black and Photoluminescent.

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