

# 3M™ Safety Goggles Technical Datasheet



## 3M™ Fahrenheit Series

### Product description

The Fahrenheit range of comfort goggles feature a modern, slim design and are available with acetate or polycarbonate lens. These products are available in non-ventilated or indirectly ventilated versions.

### Intended Use:

These products are intended for protection against high speed particles at medium energy (B). Some products within the range have been tested at extreme temperature conditions, -5°C and

+55°C, (T) in accordance with EN166:2001 (see product marking for details). All products within the range provide protection against liquid droplets (3), large dust particles (4) and UV radiation (EN170:2002). Resistance to molten metal and hot solids (9) is offered by some models within the product range.

These products can be used in a wide range of work environments where versatility and comfort are key factors.

### Products include:

|              |                                    |
|--------------|------------------------------------|
| 71360-00001M | Fahrenheit PC AS/AF                |
| 71360-00002M | Fahrenheit PC AS                   |
| 71360-00003M | Fahrenheit W/T-N-WEAR AS/AF        |
| 71360-00004M | Fahrenheit W/Foam PC AS/AF         |
| 71360-00005M | Fahrenheit Nonvent Acet. AS/AF     |
| 71360-00007M | Fahrenheit W/Foam for Helmet AS/AF |



### Key Features:

- Optical class 1 lens suitable for prolonged use
- Design provides excellent coverage and good field of vision
- Offers excellent protection against UV radiation
- Provides excellent protection against large dust particles and liquid droplets
- Lens coatings provide excellent scratch resistance. An anti-fogging coating is applied to the majority of the range.
- Designed to be worn with prescription eyewear
- Clear, replaceable lens films provide additional protection against abrasion.

### Applications:

These products can be used in a wide range of applications including:

- Painting, plastering and other forms of DIY
- Foundry work
- Engineering
- General assembly
- Woodworking
- Construction

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### Standards and Approval:

This protective eyewear has been shown to meet the basic safety requirements under Article 10 of the European Community Directive 89/686/EEC and is thus CE marked.

These products have been examined at the design stage by INSPEC International Ltd., 56 Leslie Hough Way, Salford, Greater Manchester, M6 6AJ, United Kingdom (Notified Body number 0194).

These products are tested and CE approved against EN166:2001.

### Marking:

The products have demonstrated compliance with the requirements of EN 166:2001 and associated standards and bear the following marks:

#### Lens marking

Clear Polycarbonate lens: 2C-1.2 3M 1 BT  
 Clear Acetate lens: 2C-1.2 3M 1 B 9

#### Frame marking

Frame for  
 Polycarbonate Lens: 3M Fahrenheit EN166 3 4 BT CE

Frame for  
 Acetate Lens: 3M Fahrenheit EN166 3 4 9 B CE

### Explanation of Marking:

| Marking                                | Description   |
|--|---|
| 2C-1.2<br>(EN 170:2002)                | UV protection with good colour recognition.<br>This product conforms to the requirements of the standard, providing UV protection for the complete specified range (210nm – 365nm). |
| 5-3.1<br>(EN 172:1994<br>(as amended)) | Sun-glare protection conforming to the requirements of the standard, providing UV protection for the complete specified range (280nm – 350nm).                                      |
| 1                                      | Optical class   |
| B                                      | Impact protection against high speed particle at medium energy (120m/s)   |
| T                                      | Tested for impact protection at extreme temperature conditions -5°C and +55°C   |
| 3                                      | Field of use: Liquid<br>Product protects against liquid droplets  |
| 4                                      | Field of use: Large Dust Particles<br>Product protects against large dust particles   |
| 9                                      | Field of use: Molten Metal<br>Product protects against molten metals and hot solids   |

### Materials Listing:

| Marking      | Component     |      |              |          |               |         |
|--------------|---------------|------|--------------|----------|---------------|---------|
|              | Lens          | Body | Foam         | Headband | Headband clip | Coating |
| 71360-00001M | Polycarbonate | PVC  | NA           | Nylon    | Nylon         | AS/AF   |
| 71360-00002M | Polycarbonate | PVC  | NA           | Nylon    | Nylon         | AS      |
| 71360-00003M | Acetate       | PVC  | NA           | Neoprene | Nylon         | AS/AF   |
| 71360-00004M | Polycarbonate | PVC  | Polyurethane | Nylon    | Nylon         | AS/AF   |
| 71360-00005M | Acetate       | PVC  | NA           | Neoprene | Nylon         | AS/AF   |
| 71360-00007M | Acetate       | PVC  | Polyurethane | Nylon    | Nylon         | AS/AF   |

### Use limitation

- Never modify or alter this product
- Do not use this product against hazards other than those specified in this document.
- These products are not suitable for welding



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