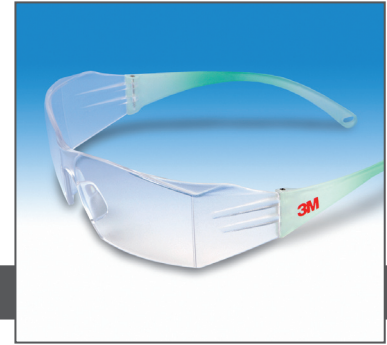




# 3M™ 2810 Light Weight Safety Spectacles

## 2810 (Clear)



### Technical Fact Sheet

### Description

The 3M 2810 Spectacles are traditionally styled safety spectacles with an attractive appearance featuring a clear polycarbonate lens.

### Intended Use

This product is intended for protection against high speed particles at low energy (F) at extreme temperature conditions, -5°C and +55°C, (T) in accordance with EN166:2001. It also protects against UV radiation in accordance with EN170:2002.

### Key Features

- Strong polycarbonate lens for impact resistance, optical grade 1 for maximum clarity
- Optical Class 1 for highest clarity and extended wear time
- Extremely lightweight (21g) for maximum comfort
- Stylish gradient green temples for wearer acceptance
- Stylish flat, flexible temples for increased comfort
- Wrap-around design with lateral protection for increased safety

### Applications

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

- Light engineering
- Automotive & body shop repair
- Wood working
- Industrial manufacturing
- DIY

### Standards and Approval

These safety spectacles have been shown to meet the basic safety requirements under Article 10 of the European Community Directive 89/686/EEC and are thus CE marked.

The product have been examined at the design stage by INSPEC International Ltd., Upper Wingbury Courtyard, Wingrave, Aylesbury, Buckinghamshire HP22 4LW (Notified Body number 0194).

This product is tested and CE approved to EN166:2001 1 FT.

### Marking

The lens and frame are marked in accordance with the requirements of EN166:2001, and associated standard EN170:2002 (for UV protection).

#### Example of lens marking:-

Filter code & scale number for UV protection:	2C-1.2 (as per EN170:2002)
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Manufacturer's identification:	3M
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Optical Class:	1
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Symbol for mechanical strength:	F (low energy)
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#### Example of frame marking:-

Manufacturer's identification:	3M
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Product reference:	2810
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European Standard:	EN166
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Symbol for resistance to high speed particle test at extremes of temperature	FT (low energy)
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## Explanation of filter code and scale numbers

The lens code is a combination of code number and scale number joined together with a dash.

### For example:

2C-1.2 Where 2C is the filter code number and 1.2 is the shade number. For use with sources which emit predominantly ultra violet radiation at wavelengths shorter than 313nm and when glare is not an important factor. This covers the UVC (280nm – 313nm) and most of the UVB (100nm - 280nm) bands.

Colour recognition not affected.

## Materials Listing

Lens: Polycarbonate

Temples: Polycarbonate

## Use limitation

- Never modify or alter this product
- Do not use this product against hazards other than those specified in this document/product user instructions
- These products are not suitable for grinding.
- In accordance with EN166:2001 safety spectacles cannot be tested and approved for use against liquid droplets. Where liquid protection is specified a suitable product should be considered, for example safety goggles
- This product is NOT designed to be worn over prescription spectacles

## Accessories

3M 270:	Anti-fog wipe
3M 271:	Simple neck cord
3M 272:	Premium neck cord- with safety break
3M 273:	Soft carry bag for spectacles

## Light Transmission and Absorption Data

Product	Lens Shade	% UV Light absorption (180nm – 380nm)	% Visible light transmission (380nm – 780nm)	% Infra Red light absorption (780 – 1100nm)
2810	Clear	99.9	92.8	4.8



### Occupational Health & Environmental Safety Group

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