Technical Datasheet

3M™ WP Series Visors and 3M™ H8 Headgear

Product Description

The 3M WP Series Visors are a range of visors designed to meet the requirements of a range of Industrial applications. When fitted to the 3M H8 Headgear the visors offer protection from various optical hazards, chemical splashes and flying particles.

Product Range

Product Name	Material	Marking (EN166)	Size (mm)
WP96	Polycarbonate	2C-1,2 1B 3:9	230 x 370 x 2
WP98	Acetate	2C-1,2 1F 3:9	230 x 370 x 2

Key Features

- Approved for protection against low energy impacts from flying particles according to EN166:2001
- Materials selected to offer industry specific options

Applications

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

- Chemical Handling
- Construction
- Industry

Standards and Approval

The 3M WP Series Visor meets the requirements of the PPE Directive (89/686/EEC) and are thus CE marked.

The products have been examined by INSPEC International, Leslie Hough Way, Salford, Greater Manchester, M6 6AJ, UK (Notified Body number 0196).

The Visors have been tested and approved in accordance with EN166:2001.

Materials Listing

Component	Material
Face shield	See 'Product Range' table
Headband	ABS/Polyamide
Browguard	ABS/Polyamide

Use and storage

Recommended use and storage conditions: +3ºC to +40ºC, <85% humidity

Maximum recommended shelf life: 5 years.

Use Limitation

- Do not use this product against hazards other than those specified in this document.
- Never modify or alter this product

Protection Characteristics

These visors meet the following requirements of EN166:1995. Where the visor and frame markings do not match the lowest level of protection applies.

		WP96	WP98
Protection against Optical radiation			
UV Filtering (without affecting colour recognition)	2C-1.2	X	X
Welding shade 3	3		
Welding shade 5	5		
Optical Class			
Class 1	1	X	X
Class 2	2		
Impact Performance			
Increased Robustness	S	X	X
Protection against high speed particles Room Temperature			
Low Energy Impact (45 m/s)	F		X
Medium Energy impact (120 m/s)	B	X	
High Energy impact (190 m/s)	A		
Protection against high speed particles Extremes of temperature (-5°C to +55°C)			
Low Energy Impact (45 m/s)	FT		
Medium Energy impact (120 m/s)	BT		
High Energy impact (190 m/s)	AT		
Field of use			
Liquid Splash	3	X	X
Large Dust Particles	4		
Gas and fine dust particles	5		
Short circuit electric arc	8		
Molten metal and hot solids	9	X	X

Important Notice

3M does not accept liability of any kind, be it direct or consequential (including, but not limited to, loss of profits, business and/or goodwill) arising from reliance upon any information herein provided by 3M. The user is responsible for determining the suitability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.

Personal Safety Division
3M United Kingdom plc
3M Centre
Cain Road, Bracknell
Berkshire RG12 8HT
Tel: 0870 60 800 60
www.3M.co.uk/safety

3M Ireland Limited
The Iveagh Building
The Park
Carrickmines
Dublin 18
Tel: 1 800 320 500

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