



420- 421 – 422

TDS – TECHNICAL DATA SHEET



APEX 420 CLEAR GOGGLES



APEX 421 BLACK GOGGLES



APEX 422 YELLOW GOGGLES

PRODUCT DESCRIPTION

APEX Safety Goggles have a comfortable, stylish and highly attractive design suitable for the working environment. The design wraps around the user's face and offers a high level of safety and comfort with side protection. The modern design of these products provides a high level of protection and a wide field of vision as well as a stylish appearance. Silicone bridges and soft plastic earpieces are used for high user comfort.

INTENDED USE

These products are used to provide protection against low energy high-speed particles (F) in accordance with EN166:2001. They also provide protection against UV radiation in accordance with EN170:2002 and against sunlight (with gray lenses only) in accordance with EN172:1994.

These products are available in clear lenses, black lenses that protect the eyes against sunlight and yellow lenses that improve vision in dim environments.

MAIN FEATURES

- Optical 1 class lenses that offer high optical clarity and allow for long-term use.
- With its fashionable design, it has a structure that especially appeals to modern business life.
- Silicone bridge and soft plastic earpieces for maximum comfort.
- The smooth design that surrounds the user's face provides excellent protection and visibility
- Rugged polycarbonate lens with scratch-resistant coating for increased durability and improved visibility.

APPLICATIONS

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

- Construction
- Pharmaceutical industry
- General laboratories

- Electronic component manufacturing
- General assembly industry
- Mining industry
- Food industry
- Wood industry
- Industrial production
- DIY (Do it yourself) hobby activities

STANDARDS AND APPROVALS

These safety goggles are CE-marked and certified to comply with the essential safety requirements laid down in Article 10 of European Community Directive 89/686/EEC.

These products have been tested and CE approved in accordance with EN166:2001 standards.

MARKING

The lenses and frames are marked in accordance with the requirements of EN166:2001 and related standards, including EN170:2002 (protection against UV rays) and EN172:1994 (protection against sunlight).

Examples of markings on the lens:

UV protection filter code & protection factor index number:

2C-1.2 (APEX 420-APEX 422)

5-3.1 (APEX 421)

(In accordance with EN170:2002)

Manufacturer Brand: APEX

Optical Class: 1

Mechanical resistance class: F

(high-speed pulses, low energy)

Examples of markings on the frame:

Manufacturer Brand: isg apex

Product reference number: APEX 420 - APEX 421 - APEX 422

European Standard: EN166

High-speed particle test resistance class under extreme temperature conditions: FT (high-speed pulses, low energy)

EXPLANATIONS ON FILTER CODE AND PROTECTION FACTOR INDEX NUMBER

Please refer to the table below for further information.

PRODUCT	GLASS OPTION	GLASS MARKING	DESCRIPTION	NOTES
APEX 420	Clear	2C-1.2	2C: UV Filter Code. 1.2: Protection Factor Index Number	The user's color perception is not affected.
Apex 421	Grey	5-3.1	5: Sunlight filter code. 3.1: Tinting factor.	It enables the wearer to easily distinguish colors in sunlight and helps reduce eye fatigue caused by strong sunlight reflection. Improves visibility under high levels of light.
Apex 422	Yellow	2C-1.2	2C: UV Filter Code. 1.2: Protection Factor Index Number	User's color perception is not affected. Improves visibility in dim environment.

LIST OF MATERIALS

RESTRICTIONS ON USE

- Do not modify or alter this product in any way
- Do not use this product for protection against hazards other than those described in this sheet.
- These products are not suitable for use in grinding applications.
- In accordance with EN166:2001, safety glasses are not permitted to be tested and approved for protection against liquid droplets. Where it is specified that protection against liquids is required, a suitable product must be used, e.g., fully enclosed safety goggles.
- These products are NOT intended to be worn over prescription glasses

