

Test Report

Peltor Safety Spectacles “Secure Fit 200 and 400”



OWNER OF TEST CERTIFICATE:
Applicant/Distributor:

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SecureFit 200



Example SecureFit 400



KWF-TEST:
February 2022
Validity period: 5 years
(extension possible)
First approval: 2015

Test No. 7246

Application field:

The safety spectacles “3M™4279” are designed for all activities in the forest, horticulture and agriculture wherever there is a high risk of small particles flying through the air, for example when operating brush cutters or angle grinders or when cleaning machines. Safety spectacles are particularly important when wearing ear muffs. Because of the very flat and flexible temple arms, these spectacles combine very well with ear muffs.

These spectacles were worn for a total of 124 work days at 4 test stations.

Test results spectacles from 2015:

Test item	Test results	Evaluation
➤ Comfort	The extremely flat and highly flexible temple arms allow the spectacles to automatically adjust to any head size without causing pressure. The test persons found these spectacles very light	+ / ++
➤ Wear characteristics	The spectacles have a relatively low tendency for attracting dirt. They reduce but do not completely prevent fogging. The spectacles fit securely to the head.	+ / 0
➤ Field of vision	The test revealed that these spectacles offer a near-unrestricted field of vision.	+ / ++
➤ Durability	Ivery little damage during the test period. Wear and tear on the spectacles (e.g. abrasion of the coating) is appropriate for this price class. Wearers should expect a service life of 30 to 50 work days.	+
➤ Combination with ear muffs	The outstanding feature of these spectacles is that they combine perfectly with ear muffs, without causing pressure points or creating noise bridges.	+ / ++
➤ Type and description	The design and construction was appreciated by all test persons.	+
Overall impression	The general impression of these spectacles is positive, with innovative technology that provides excellent combination possibilities.	good

+ + = excellent; + = good; 0 = satisfactory; - = adequate; - - = inadequate

Material / data

Description:

- Safety spectacles available in clear, grey (sun protection) and yellow (increased contrast)
- Flexible temple arms for automatic head size adaptation
- Polycarbonate anti-fog and anti-scratch lenses.
- UVA and UVB protection according to EN 170:2002 (clear and yellow lenses)
- Sun protection according to EN 172:1994 (grey, I/O and blue lenses I/O and blue lenses only SecureFit 400)
- Light at 18 g
- Secure fit even during intense head movements
- Polycarbonate lenses
- innovative 3M™ Pressure Diffusion Temple Technology optimizes the pressure of the temple arms and ensures even distribution of pressure at head.
- Marked according to EN 166; "F" (low energy impact [test: impact by steel ball 0.86 g moving at 45 m/s])
- Additional features of SecureFit 400: soft, adjustable nose pads, soft padded arm ends, colour-designed temple arms, available in more colours.

Certificates and declarations on social and environmental sustainability:

- 3M holds certificates according to ISO 14001, 50001 and 45001
- 3M has made numerous self-declarations on social and environmental sustainability:
https://www.3mdeutschland.de/3M/de_DE/nachhaltigkeit/richtlinien-berichte/

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