

Significance of the EN marking

Code number - filter type		
2	UV filter	
2C or 3	UV filter with good colour recognition	
4	Infrared filter	
5	Sunglare filter	
6	Sunglare filter with IR specification	

Shade Number*			
1,2		Clear or Amber	
1,7		I/O or Minimizer	
2,5		Bronze or Grey	
3,1		Dark Bronze, Dark Grey, Blue or Red Mirror	

* Welding filter if only one number for filter and shade: 1,7 = IR 1,7 3 = IR 3,0 5 = IR 5,0 7 = IR 7,0

Optical Class			
	Tolerance of the optical power		
1	+ 0.06 dioptres	Worn all the time	All Peltor lenses are class 1
2	+ 0.12 dioptres	Worn occasionally	-
3	+ 0.25 dioptres	Worn exceptionally	-

Mechanical Resistance						
	Impact level	Maximum Speed	Lens Material			
A(T)	High Energy Impact	190 m/s	Polycarbonate			X
B(T)	Medium Energy Impact	120 m/s	Polycarbonate, Acetate		X	X
F(T)	Low Energy Impact	45 m/s	Polycarbonate, Acetate	X	X	X
S	Enhanced Solidity	12 m/s	CR39, Toughened Glass	X	X	X

T: if the impact letter (F, B or A) is followed by the letter T, then the frame protects against impact at extreme temperatures (-5°C / + 55°C)

Additional Requirements					
8	Short circuit electric arc				X
9	Molten metal and hot solid			X	X
K	Surface damage by fine particles	X	X	X	X
N	Resistance of the lens to fogging	X	X	X	X
R	Reinforced reflection in IR (>60%)	X	X	X	X

Applicable Fields of Use (does not include spectacles)				
3	Liquid droplets	X		
3	Liquid splashes			X
4	Large dust particles (up to 5 µm)	X		
5	Gas and fine dust particles (below 5 µm)	X		
8	Short circuit electric arc (minimum thickness of 1,4 mm & UV filter)			X
9	Molten metal and hot solids (shall resist to impact test)	X		X