



**BX™**

Sleek, contoured and fully adjustable with molded-in magnifying diopters on the lower lens



- Adjustable length temples
- Lens angle adjustment
- Soft, adjustable nose bridge
- Available without magnifying diopters (See page 16)
- Polycarbonate lenses absorb 99.9% UV
- Meets the requirements of CSA Z94.3-2007 and the High Impact Requirements of ANSI Z87.1-2003

Product Number	Product Name	UPC Number
11374-00000-20	3M™ BX™ Protective Eyewear, Clear Anti-Fog Lens, Silver Frame, +1.5 Diopter	100 78371 62046 9
11375-00000-20	3M™ BX™ Protective Eyewear, Clear Lens, Silver Frame, +2.0 Diopter	100 78371 62047 6
11376-00000-20	3M™ BX™ Protective Eyewear, Clear Lens, Silver Frame, +2.5 Diopter	100 78371 62048 3
11377-00000-20	3M™ BX™ Protective Eyewear, Gray Lens, Silver Frame, +1.5 Diopter	100 78371 62049 0
11378-00000-20	3M™ BX™ Protective Eyewear, Gray Lens, Silver Frame, +2.0 Diopter	100 78371 62050 6
11379-00000-20	3M™ BX™ Protective Eyewear, Gray Lens, Silver Frame, +2.5 Diopter	100 78371 62051 3
11473-00000-20	3M™ BX™ Protective Eyewear, Indoor/Outdoor Mirror Lens, Blue Frame, +1.5 Diopter	100 78371 62067 4
11474-00000-20	3M™ BX™ Protective Eyewear, Indoor/Outdoor Mirror Lens, Blue Frame, +2.0 Diopter	100 78371 62068 1
11475-00000-20	3M™ BX™ Protective Eyewear, Indoor/Outdoor Mirror Lens, Blue Frame, +2.5 Diopter	100 78371 62069 8

**BX™ Dual**

Sleek, contoured and fully adjustable with molded-in magnifying diopters on the upper and lower lenses



- Adjustable length temples
- Lens angle adjustment
- Soft, adjustable nose bridge
- Available without magnifying diopters (See page 16)
- Polycarbonate lenses absorb 99.9% UV
- Meets the requirements of CSA Z94.3-2007 and the High Impact Requirements of ANSI Z87.1-2003

Product Number	Product Name	UPC Number
11457-00000-20	3M™ BX™ Protective Eyewear, Clear Anti-Fog Lens, Silver/Black Frame, +1.5 Top/Bottom Diopter	100 78371 11457 9
11458-00000-20	3M™ BX™ Protective Eyewear, Clear Anti-Fog Lens, Silver/Black Frame, +2.0 Top/Bottom Diopter	100 78371 11458 6
11459-00000-20	3M™ BX™ Protective Eyewear, Clear Anti-Fog Lens, Silver/Black Frame, +2.5 Top/Bottom Diopter	100 78371 11459 3

# Polycarbonate Lens Selection Guide

This Polycarbonate Lens Selection Guide will help you understand the need for different color lenses and lens types for industrial applications. It will also help you determine what type of lens is best for your application and environment. There are many lens options other than clear, gray and mirror. When choosing a lens, the basic “rule of thumb” is to consider color opposites. Examples of these opposites are shown in the chart below in columns one and two.

Lens Color/ Type	Color of Light Reduced or Blocked*	Lens Properties/Use	Percent of Visible Light Passing through the Lens (approx.)	Suggested Applications/Environments
Clear	None	Maximum amount of light reaches the eye for good vision and acuity.	85%+	General everyday eye protection.
Gray, Brown, Bronze	All	Reduces brightness and glare from the sun.	10%-25%	Mainly for outdoor daytime use as in typical sunglass use.
Mirror & Colored Mirror	All	Reduces brightness and glare from the sun.	10%-25%	Mainly for outdoor daytime use as in typical sunglass use.
Indoor/Outdoor	All	Reduces brightness and glare when working both indoors and outdoors.	50%	For tasks requiring frequent movement indoor to/from outdoor. Loading docks, forklift drivers, construction or similar jobs.
Photochromic	All	Reduces brightness and glare from the sun and indoor lighting.	Varies from 20% to 80%	Lens darkens when outside and lightens when inside. Do not use for frequent indoor to/from outdoor movement.
Polarized	All	Reduces brightness and glare from the sun.	15%	Exceptional for reducing reflective glare. Mainly for outdoor use.
Yellow/Amber	Purple and Blue	Increases contrast, reduces haze from blue lighting, excellent UV protection.	85%-92%	Good for inspection tasks and hazy, overcast or foggy days. Never use for night driving.
Pink/Vermillion	Green	Increases contrast, low level indoor lighting glare reduction.	50%	Good for inspection tasks. Some workers prefer pink/vermillion over yellow/amber.
Blue	Yellow	Reduces brightness and glare from indoor lighting.	35%-65%	Very useful to reduce glare, eye stress and fatigue in yellow light environments.
Filter Shades, Green & Gray	Red	Reduces ultraviolet, visible and infrared radiation.	Depends upon shade number	Predominately used for gas welding, cutting, brazing and soldering, metal making, furnace work and open flames.
MinimIzeR™	All	Reduces ultraviolet, visible and infrared radiation.	50%	Provides good visual sight and acuity while absorbing UV and some IR. Excellent for wearing with welding helmet.

\* All polycarbonate safety lenses absorb 99.9% ultraviolet (UV) light.



Clear



Gray, Brown, Bronze



Mirror & Colored Mirror



Indoor/Outdoor



Photochromic



Polarized



Yellow/Amber



Pink/Vermillion



Blue



Filter Shades Gray and Green