



Welding Dyes and Materials

Arc, flame, and laser cutting and welding operations produce potentially harmful ultraviolet, visible, and infrared radiation that can damage the human eye. For these operations, quality certified eye protection is required which reduces the intensity of the light and radiated energy. Epolin produces Epolight™ dye formulations and formulated ready to mold Luminat™ Polycarbonate pellets that will assist you in meeting Industry Welding standards.



Epolight™	Shade Value	Lens Color
7740	ANSI Shade 8	Dark Green
7811	ANSI Shade 3 and Shade 5	Blue Green
7863	ANSI Shade 3 and Shade 5	Yellow Green
7889	ANSI Shade 10	Dark Green
SS10-19A (high performance formula)	ISO Shade 3 and Shade 5	Green
SS10-29A (economical formula)	ISO Shade 3 and Shade 5	Green

- ANSI/ISEA Z87.1
- AS/NZS 1338
- EN 169
- ISO 16321-2

Epolin formulas meet or exceed OSHA, American Welding Society, and ISO standards from shade 1.2 up to shade 14. These products come in a range of lens colors and are suitable for use in safety glasses, goggles, face shields, and helmets. The dyes and ready to mold pellets can also be extruded into sheets for protective windows.

ISO 16321 Standard

Stay ahead of the curve with the latest advancements in welding safety standards. The new ISO 16321 standard expands eye protection for welders, offering enhanced safety measures that cover a broader range of the spectrum, now to 3000nm.

The updated requirements and testing ensure comprehensive protection in a diverse welding environment. With two ISO 16321 compliant formulations and the ability to tailor to your application, Epolin can help you ensure compliance and increased safety in your welding products.

Contact us for Dyes or Ready to mold pellets specific to your eye protection requirements and shade values.

Contact us for additional information
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