Taking care of everyone's vision starts with you!

Ophthalmics

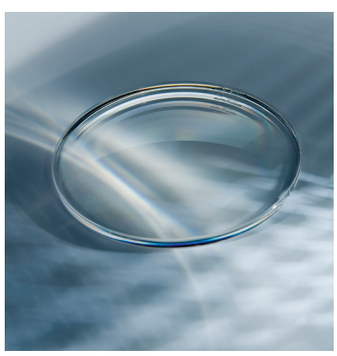
AVERY DENNISON

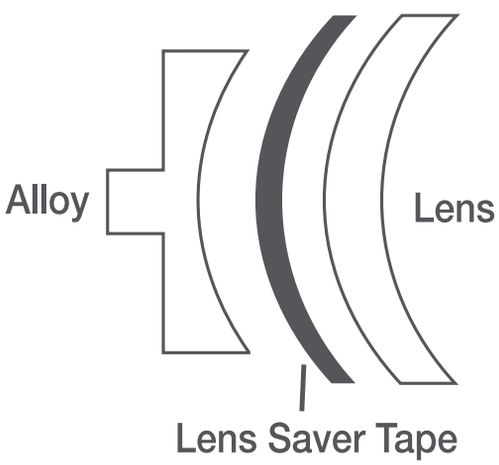
Taking care of everyone's vision starts with you!

By keeping your eyes healthy, you keep your brain healthy – improving your overall quality of life! Healthy brain function needs healthy eyesight. The brain is our most vital organ, allowing us to live complex lives. Considering that your optic nerve connects your eyes and your brain, a healthy co-dependent relationship is necessary. So it goes without saying that it is extremely important to always protect the eyes properly, whether with sunglasses, reading glasses, contact lenses or even with goggles.

By using the right materials during the production process of (spectacle) lenses, you contribute to a good vision of your end customers. And a good vision ultimately even benefits an overall good health!

Avery Dennison high-quality self-adhesive materials help you do the job right.





3 steps in which self-adhesive materials are used for producing optical lenses

1. **Optical – Surface Saver**

Protective Films for Optical Lens Surfaces

During production, sensitive optical lenses need reliable surface protection. Our surface saver tapes act as a shield between the lens and the warm alloy during carving, without leaving adhesive residue. These optical-grade protection films ensure lens integrity throughout handling and surfacing.

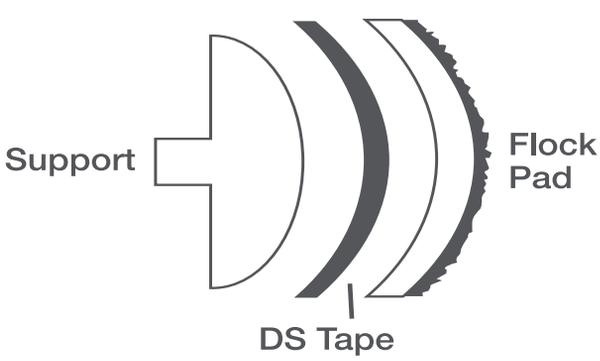
Key Features
– Optical-grade clarity for visual inspection
– Residue-free removal, even after long dwell times
– Customizable tack levels for various coatings
– Ideal for both manual and automated processes

Benefits
– Prevents surface damage during grinding
– Maintains lens quality before and after surfacing
– Ensures lenses stay pristine and production-ready

2. **Optical – Lens Polishing**

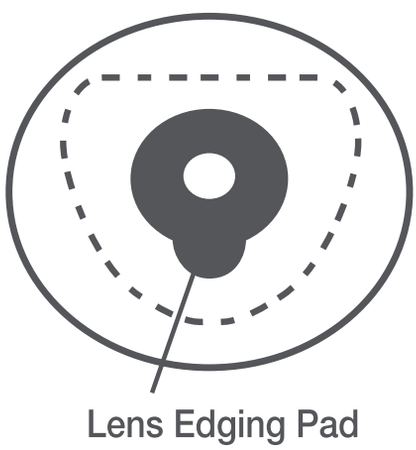
High-Precision Adhesive Solutions for Polishing Applications

Our adhesive tapes are used to mount polishing pads to their support block. These solutions deliver secure adhesion with residue-free removal, supporting both manual and automated polishing workflows.



Key Features
– Stable adhesion with no slippage during polishing
– Compatible with aluminum, plastic, and other supports
– Custom die-cuts for perfect alignment
– Clean removal without residue

Benefits
– Minimizes rework and reduces material waste
– Enhances lens clarity and finish
– Optimized for high-volume and manual operations



3.Optical – Lens Edge Grinding

Precision Bonding for Edging and Grinding Applications

Avery Dennison adhesive tapes for lens edge grinding are designed to hold lenses securely during high-speed mechanical shaping. Our high-tack solutions offer clean removal without residue, protecting against chipping or distortion.

Key Features
– Secure hold during grinding and beveling
– Clean peel without residue on any lens type
– Compatible with uncoated lenses
– Available in die-cut and roll formats

Benefits
– Reduces rejects from slippage or contamination
– Increases productivity in automated lines
– Helps ensure consistent final lens quality

Our technical experts are here to show you how to work with your materials successfully during every phase of your application. You can count on us to approach any challenge with genuine curiosity and care.

Contact your Avery Dennison sales representative or visit tapes.averydennison.com

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