



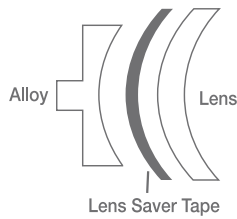
# Solutions for the Optical Industry

Take a closer look at the Avery Dennison Solutions for the Optical Industry. Through all the different steps of the optical lenses production, Avery Dennison high-quality self-adhesive materials help you do the job right.



Performance  
Tapes

## Lens Grinding



This step gives the lens its corrective effect by “carving” the concave side with a diamond head. The lens is mounted onto a holding device thanks to a **lens saver tape** which is applied manually onto the convex side of the lens. It is classically a blue or green tape which is **self-adhesive** on the lens side and **heat activated** on the holding device side. On that side, the tape adheres onto a low melting point (47°C) metallic alloy part.

### What is expected from the lens saver tape?

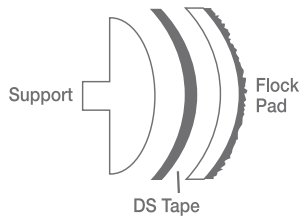
- > Must adhere properly onto the lens and the alloy part
- > Must be highly conformable to convex substrates
- > Must deblock easily from the alloy part
- > Must peel off cleanly from the lens leaving no residue
- > Must act as a shield between the warm alloy part and the (fragile) lens

All those properties are perfectly matched by our OF 24XX products.

Product	Type	Carrier	Adhesive	Liner
<b>OF 2429</b>	Single Coated	100µ Clear Heat Sensitive PE Film	Solvent Based Pure Acrylic Blue	White Glassine
<b>OF 2475</b>	Single Coated	75µ Clear Heat Sensitive PE Film	Solvent Based Pure Acrylic Blue	White Glassine
<b>OF 2494 SW Blue</b>	Self-Wound	90µ Clear Heat Sensitive PE Film	Solvent Based Pure Acrylic Blue	-
<b>OF 2495 SW Green</b>	Self-Wound	90µ Clear Heat Sensitive PE Film	Solvent Based Pure Acrylic Green	-



## Lens Polishing and Smoothing



After grinding, the lens must be carefully polished in order to give it a perfectly transparent finish. Polishing/smoothing is conducted with **polishing pads**. The type of polishing pads used varies according to the nature of the lens (organic/mineral).

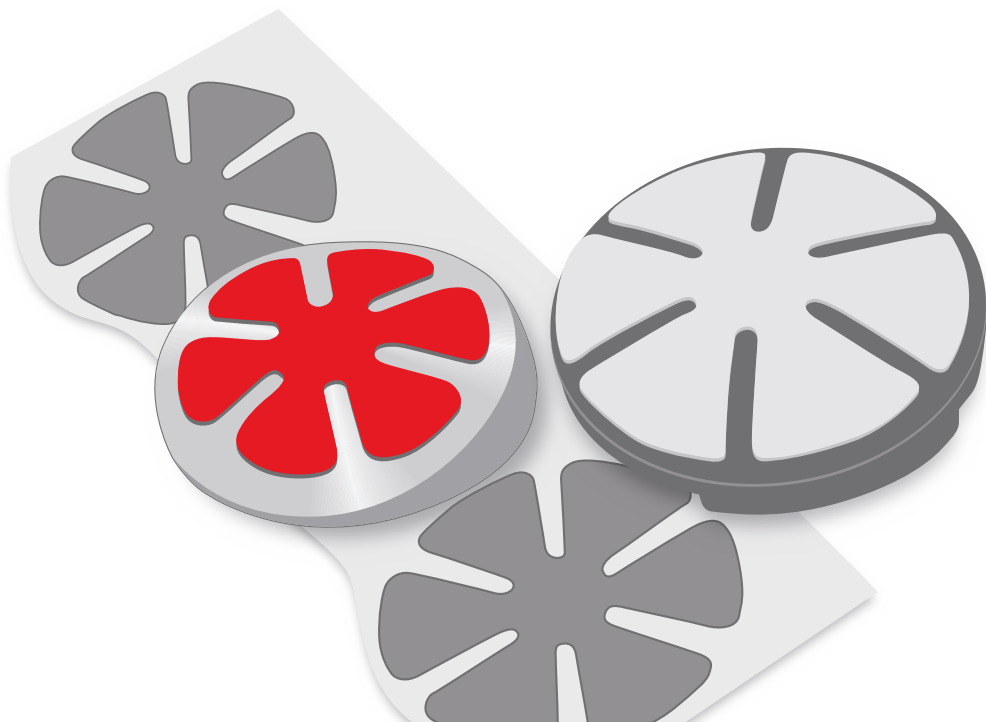
It is classically a daisy-shaped die cut piece of flock material laminated on the reverse with a double-sided tape. The tape's function is to mount the pad onto its support (Aluminum and plastic of various shapes).

### What is expected from the tape?

- > Must adhere perfectly to the back of the polishing material and to the metallic holding device
- > Mounting Side must stick well during grinding, polishing or other operation and remove cleanly after short term use
- > Full construction must die-cut cleanly and die-cut pieces must stay on liner until used

This is the job of our FT 7358, FT 7376 and FT 7387 products.

Product	Type	Carrier	Adhesive	Liner
<b>FT 7358</b>	Double Coated	Clear PET 12μ	Differential Adhesive Removable Acrylic/ Permanent Rubber	White Glassine
<b>FT 7376</b>	Double Coated	Clear PET 12μ	Differential Adhesive Rubber / Rubber	White Glassine
<b>FT 7387</b>	Double Coated	Clear PET 12μ	Differential Adhesive Removable Acrylic/ Permanent Rubber	White Glassine



## Lens Edging



Lens Edging Pad

At the optician shop, the semi-finished lens shape needs to be adapted to the spectacles frame by grinding the edges of the lens. The lens is mounted onto a holding device thanks to a double sided foam pad.

## What is expected from the lens saver tape?

- > Must stick well enough onto any type of lens (even coated) and the support
- > Must peel off easily and cleanly
- > The liner must also be peeled off easily

This is the job of our FM 503L, FM 7681 and FM 7638 products.

Product	Type	Carrier	Adhesive	Liner
<b>FM 503L</b>	Double Coated	Black Foam High Density 0.8mm	Acrylic / Acrylic	LDPE Blue Liner
<b>FM 7681</b>	Double Coated	Reinforced Black Foam High Density 0.8mm	Acrylic / Acrylic	White Glassine
<b>FM 7638</b>	Double Coated	Black Foam High Density 0.8mm	Acrylic / Crosslinked Elastomer*	Clear PET 50μ

\*Especially designed for hydrophobic lenses



Please refer to [Tapes.AveryDennison.com](https://www.tapes.averydennison.com) for complete terms and conditions, including warranty terms, relating to this product. You should periodically review the site as terms and conditions are subject to change without notice.

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