

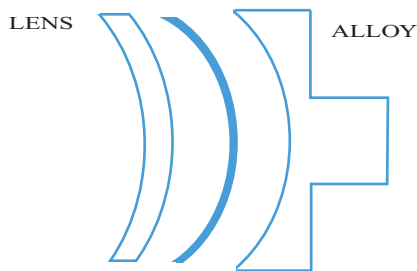
The Optical Industry

Take a closer look at the MACtac Solutions for the Optical Industry

Through all the different steps of the optical lenses production, MACtac high-quality self-adhesive materials help you do the job right.

Lens grinding

This step gives the lens its corrective effect by "carving" the concave side with a diamond head. The lens is mounted onto the holding device thanks to a **lens saver tape** which is applied manually onto the convex side of the lens. It is classically a blue 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.



LENS SAVER TAPE

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**.

OF Products	Deblocking Force	Specially designed for
OF 2429	++++	PMMA & PC
OF 2430	+	Glass
OF 2475	+++	PMMA & PC

Product	Type	Carrier	Adhesive	Liners	Thickness (Carrier+Adh.)
OF 2429	SS	100 µm blue heat sensitive film	SBPA (Blue)	Silicone paper white	134 µm
OF 2430	SS	Pre-treated 100 µm blue heat sensitive film	SBPA (Blue)	Silicone paper white	134 µm
OF 2475	SS	75 µm blue heat sensitive film	SBPA (Blue)	Silicone paper white	109 µm

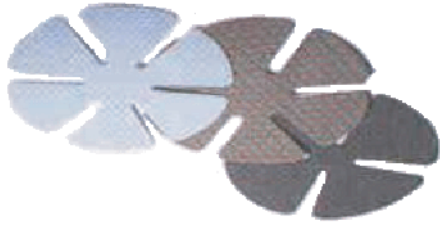
SS= Single Sided

SBPA= Solvent Based Pure Acrylic

Lens polishing & smoothing



A Bemis Company

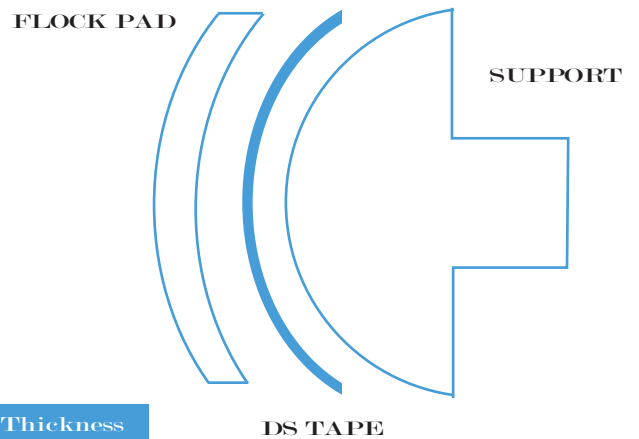


After grinding, the lens must be carefully polished in order to give it a perfectly transparent finish. Polishing/smoothing is conducted with **polishing pads**. The type of polishing pads used varies according to the nature of the lens (organic/mineral).

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.

What is expected from the tape ?

- . Must adhere perfectly to the back of the polishing material and to the metallic holding device
- . Must be resistant to the slurries
- . Must peel off easily and cleanly from the holding device

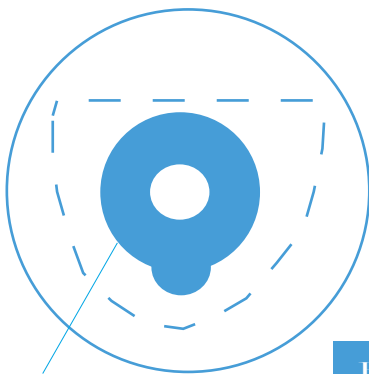
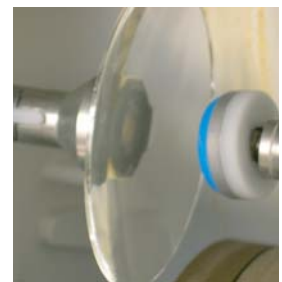


This is the job of our **B 1167**

Product	Type	Carrier	Adhesive	Liners	Thickness (Carrier+Adh.)
B 1167	Self-Wound	PET 12 µm	Rubber	Silicone paper white	100 µm

Lens Edging

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.



LENS EDGING PAD

What is expected from the tape ?

- . Must stick well enough onto the lens and the support
- . Must peel off easily and cleanly
- . The liner must also be peeled off easily

This is the job of our **ML 2780**

Product	Type	Carrier	Adhesive	Liners	Thickness (Carrier+Adh.)
ML 2780	Self-Wound	Black PE high density foam	SBPA	Blue PE	900 µm

SBPA= Solvent Based Pure Acrylic