3M™ Surface Saver™ Plus

Lens Surfacing Tape with Liner

... a quality designed tape line with the consistent performance optical laboratories have become accustomed to.

Available in two de-block levels:
4’ x 50 yds. / 10cm x 45.7m tape on liner,
12 rolls per case (66.7 sq. yds. / 55.8 sq. m.
per case or 5.56 sq. yds. / 4.65 sq. m. per roll)

Product Offering

<table>
<thead>
<tr>
<th>Product Offering</th>
<th>1640</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Alloy Bond</td>
<td></td>
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<tr>
<td>Medium Alloy Bond</td>
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</tbody>
</table>

De-block methods:

Thick lenses, glass: hot water
Plastic: impact or hot water

Based on customer input and requests, 3M now offers what optical lens manufacturers are looking for and need to maximize output efficiencies:

- Highly conformable to all types of lens styles and base curves: low edge lifting
- High torque resistance
- Two de-block levels to choose from to meet individual processing needs
- High clarity: can see clearly through tape for accurate alignment and equipment sensor readings
- Low peel adhesion for clean, easy and effortless tape removal
- Maintains progressive markings for accuracy in alignment, processing, quality inspection and dispensing
- Proven “3M Blue” color for easy inspection
- 3M consistent quality and service levels

As a result, optical lens manufacturers produce better lenses, experience less waste, enjoy uninterrupted production flow, less frustration and lost time: in summary, they are saving money through increased output of quality lenses.

Also inside:

3M™ Clear Protective Tape for Non-Alloy Wax Blocking
3M™ Applicator for 3M™ Surface Saver™ Plus Lens Surfacing Tape and 3M™ Clear Protective Tape

Other 3M Optical Supply Products

3M Medical Specialties
from the 3M Health Care family
3M™ Clear Protective Tape
for Non-Alloy Wax Blocking

Protects against wax contamination, dirt, scratches and damage

3M™ Clear Protective Tape 1663
4" x 72 yds. / 10.1cm x 65.5m tape without liner, 6 rolls per case

- Bonds securely to wax to prevent fall-offs; de-blocks consistently clean and easy: keeps surface free of wax, oils and other contaminants; supports problem-free AR (anti-reflective) coating applications
- Linerless double rolls
- Clear tape for easy alignment; lens marking clearly visible
- Conformable, easy to apply and peel off lenses
- Clean tape removal: reduces number of lens washing steps
- Kinder to progressive ink markings

<table>
<thead>
<tr>
<th>Surface Chemistry</th>
<th>NEW LENS Before Processing</th>
<th>TAPED LENS Wax Processed</th>
<th>NO TAPE Wax Processed</th>
<th>Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>CR-39® Lens Surface</td>
<td>Carbon 84%</td>
<td>Oxygen 14%</td>
<td>Aluminum 2%</td>
<td>Sodium 1%</td>
</tr>
<tr>
<td></td>
<td>Oxygen 14%</td>
<td>Nitrogen 2%</td>
<td>Sulfur 2%</td>
<td>Chemical analysis by ESCA (Electron Spectroscopy Chemical Analysis).</td>
</tr>
<tr>
<td></td>
<td>Nitrogen 2%</td>
<td>Silicone 3%</td>
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</tr>
<tr>
<td></td>
<td>Silicone 3%</td>
<td>3% Silicone</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Aluminum 2%</td>
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<tr>
<td></td>
<td>Sulfur 2%</td>
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<tr>
<td></td>
<td>Sodium 1%</td>
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</tr>
<tr>
<td></td>
<td>4% Hydrocarbons (oil, wax)</td>
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</table>

Warning: Contaminants found on non-taped lenses will adversely affect wetting and adhesion of surface coatings.

Taping Lenses Preserves Surface Chemistry
**3M™ Applicator for 3M™ Surface Saver™ Plus Lens Surfacing Tape and 3M™ Clear Protective Tape**

**3M™ Applicator 1645**
Works with air pressure and assists in the process of applying 3M™ Surface Saver™ Plus Lens Surfacing Tape and 3M™ Clear Protective Tape to lenses. Designed to apply the tape uniformly across the front lens surface. It is operated by air pressure, which requires a clean source of compressed air (recommend at 60 psi).

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**Other 3M Optical Supply Products**

**3M™ LEAP™ III Finish Blocking Pads**
Available in 6 different shapes for torque-free edging: keeps lenses firmly fixed during edging.

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**3M™ Blue Chip Lens Protectors 1647**
35 mm round discs, can be applied to both sides of lenses to prevent scratching during faceting, hand edging, drilling, polish edging, grooving and when shipping lenses. 2,000 discs per roll.