The new line up with four types of advanced materials

**SunSensors™ MR-8™ NEW**
High-refractive index material with advanced photochromic performance
In addition to faster darkening-fading speed**, Thio-urethane(MR-8™) based material is suitable for versatile design such as rimless frames and high-curve lenses.

**SunSensors™ 55HPM**
Middle-index material with advanced photochromic performance
Middle-index in-mass photochromic material that achieves faster darkening-fading speed** through optimization of base material and pigment.

**SunSensors™ 55**
Middle-index material with traditional photochromic performance
Middle-index in-mass photochromic material with previous SunSensors™ hue.

**SunSensors™-50HPM NEW**
Excellent optical properties-Low-refractive index material with advanced photochromic performance
In addition to faster darkening-fading speed**, excellent optical quality(High-abbe) is achieved by allyl and acrylic mixture based material.

*1 compared to the existing model

Next generation of in-mass photochromic technology.

SunSensors™ lens technology
Lens color shifts rapidly when moving from an indoor location to outdoor and vice-versa. Provides comfortable shading outdoors while blocking harmful UV light.

Mitsui Chemicals has improved SunSensors™ with innovative in-mass photochromic technology. This innovative new photochromic system excels in top notch color fading, while bringing considerably better durability compared to classical systems based on coatings.

<table>
<thead>
<tr>
<th>Product name</th>
<th>Refractive index</th>
<th>Photochromic performance</th>
<th>Lens material characteristics</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Color density</td>
<td>Darkening speed</td>
</tr>
<tr>
<td>SunSensors™-MR-8™</td>
<td>1.60</td>
<td>Very Good</td>
<td>Excellent</td>
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Transmittance curve  Measured at 23 °C with our lens with 2 mm in central thickness.

http://www.mitsuichem.com/special/mr/index.htm