

Contact your supplier for lenses made from CR-39 monomer and Trivex lens material by PPG.

PPG
Your preferred supplier

A world leader. We not only supply coatings to the optical industry but PPG Optical Materials is the world's largest producer of lens resins, polarizing films and photochromic dyes.

A dependable resource. PPG Optical Materials is one of 15 global businesses that form PPG Industries, Inc. We give you the resources of a multi-billion dollar corporation with attention of a local supplier.

Continued innovation. We continue to invest in research and development and our manufacturing capabilities to deliver high quality products.



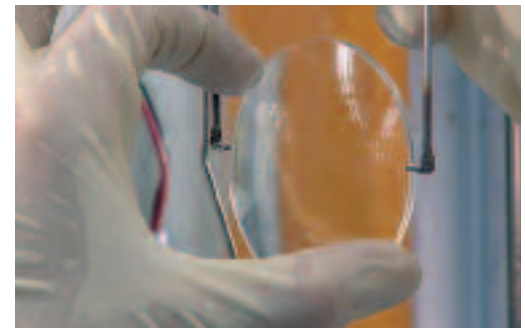
PPG Optical Materials

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*Sales and customer service



Hi-Gard™ Optical Coatings



Responsible Care®
Good Chemistry at Work



Hi-Gard™ coating solution is thermally cured to form a highly scratch-resistant coating on ophthalmic plastic lenses.



Customer Service

We have knowledgeable sales support personnel located in Asia, Europe and the U.S.

Technical Service

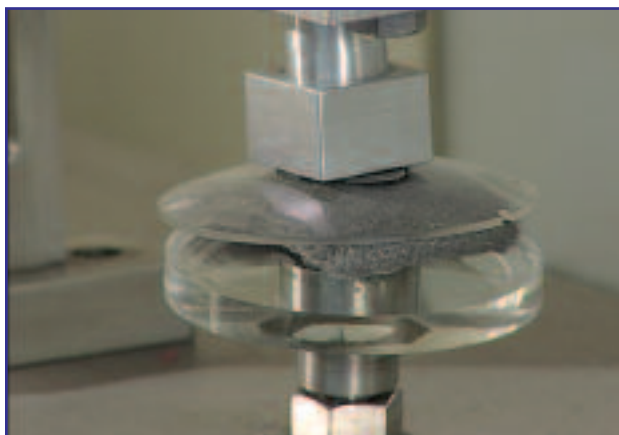
Our chemical research center near Pittsburgh, Pennsylvania, USA, houses a state-of-the-art analytical laboratory. The coatings technical staff works closely with customers to meet their growing needs.



Hi-Gard™ Coatings by PPG

Non-tintable, thermal cure, sol-gel coating possessing excellent abrasion resistance with excellent AR compatibility.

- **Hi-Gard 1080 Coating** – refractive index of 1.51, excellent for lenses made from CR-39™ monomer, Trivex™ lens material and mid-index monomers.
- **Hi-Gard 1600 Coating** – refractive index of 1.58, works well with polycarbonate and other higher index materials.



- **Easy to process** – use standard dip and spin coating equipment and air circulating ovens/infrared.
- **Chemical resistance** – resistant to acetone, isopropyl alcohol and other commonly used eyewear cleansers.
- **Scratch resistance** – exhibits lower haze gain after abrasion testing.

Benchmark is lens made from CR-39 monomer	Hi-Gard 1080 Coating	Hi-Gard 1600 Coating
Refractive Index	1.51	1.58
Abrasion Resistance		
Bayer	4.0-5.0x benchmark	4.5-6.0x benchmark
Steel Wool	<0.10% haze gain after 200 cycles	<0.50% haze gain after 200 cycles
Boiling Water Adhesion	Passes after 3 hours	Passes after 3 hours