

Transparent Optical Polymer for a Glass-like Appearance & Freedom of Design of Lenses, Lighting Applications & Optical Surfaces

General Description

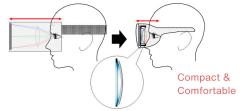
AZP™ is a transparent polymer that overcomes the disadvantages of conventional plastic materials. Featuring a close-to-zero birefringence equivalent to glass as well as a superior designability, this material allows high transmittance and low-color distortions at all viewing angles.

Clear images without luminance variations, color distortion and blurring can be achieved in polarized optical equipment such as AR/VR headsets and HUDs. The premium quality appearance is also maintained when looking at the display through polarized sunglasses when used for display covers.

Application Fields

 Lenses, prisms, waveguides, PBSs of VR/AR head mounted displays, automotive head-up displays (HUD), inner lensen of headlamps, display covers

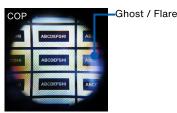
Conventional Configuration VR Pancake Lens Configuration VR



The images of pancake lens configuration VR head mounted displays demo.



The image through WGF™ bonded AZP™ lens



The image through WGF™ bonded COP lens

Material Properties



Benefit for Customers

- With AZP™, molding parts with extremely low birefringence can be obtained without requiring special molding methods, molding conditions, or post-molding processes
- Having high resistance to light, AZP[™] is expected to retain good optical characteristics even after prolonged exposure to sunlight or ultraviolet light

Spectral transmittance change after accelerated weathering test

