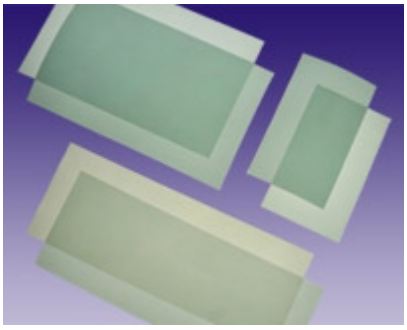
Quarter Wave Retarders

Overview:



API now offers very high performance polycarbonate based quarter wave retarders.

A maximum temperature of 85ºC (low humidity), very low haze, and high viewing angle performance help make these wave retarders superior products.

We offer three standard versions: 125nm OPD, 140nm OPD, and 165nm OPD

The polycarbonate quarter wave has a retardation tolerance of only 6nm across the web, excellent uniformity, and amazing cosmetic cleanliness. We are really excited about this product!

API can laminate the retarders to both acrylic and glass for added durability and improved optical performance.

Data:

Product Code	**APQW92-003-PC-125NM**
Description	**500nm (125nm OPD) Quarter Wave Retarder**
Thickness	.003" +/-.002"
Substrate	Polycarbonate
Finish, Front and Back	Smooth, Uncoated
Transmission (400-760nm)	≥ 90%
Haze	<1%
Fast Axis Direction	45º
Environmental	-50ºC to +85ºC (low humidity)

Product Code	**APQW92-003-PC-140NM**
Description	**560nm (140nm OPD) Quarter Wave Retarder**
Thickness	.003" +/-.002"
Substrate	Polycarbonate
Finish, Front and Back	Smooth, Uncoated
Transmission (400-760nm)	≥ 90%
Haze	<1%
Fast Axis Direction	36"
Environmental	-50ºC to +85ºC (low humidity)

Product Code	**APQW92-003-PC-165NM**
Description	**660nm (165nm OPD) Quarter Wave Retarder**
Thickness	.003" +/-.002"
Substrate	Polycarbonate
Finish, Front and Back	Smooth, Uncoated
Transmission (400-760nm)	≥ 90%
Haze	<1%
Fast Axis Direction	36"
Environmental	-50ºC to +85ºC (low humidity)