

# Near Infrared(NIR) Linear Polarizers

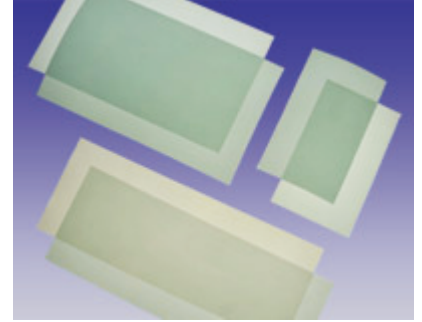
## Overview:

API's polymer based near infrared (NIR) are great cost effective solutions for low output NIR lasers, sensors, and IR attenuation applications.

We offer two near infrared options: 3M HR and our new APIR29-030.

The HR is most effective from 1000nm to 2000nm. The APIR29-030 offers very high transmission and is effective from 400nm to 860nm and 1000nm to 1100nm.

Near infrared linear polarizers are idea for shutter and light control devices for IR lasers, LED and other infrared sources, photodetectors in non-visible security systems, infrared photography and crystallographic studies.



## Data:

Product Code	APIR29-030
Description	Near IR linear polarizer
Thickness	.030" +/- .003"
Substrate	Cellulose Triacetate
Effective Range	400nm-860nm and 1000nm-1100nm
Coatings	None
Transmission, single pass, 400nm-860nm	42%
Transmission, single pass, 1000nm-1100nm	47%
Transmission, crossed, 400nm-860nm	.1%
Transmission, crossed, 1000nm-1100nm	1.4%

**Spectral Transmission APIR29-030**

