

Near Infrared(NIR) Linear Polarizers

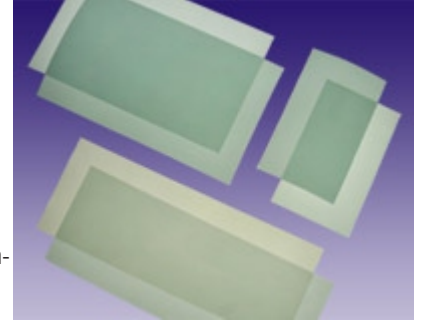
Overview:

API's polymer based near infrared (NIR) polarizers 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 APIR29-020 (replacement for APIR29-030).

The APIR29-020 offers very high transmission and is effective from 400nm to 2200nm.

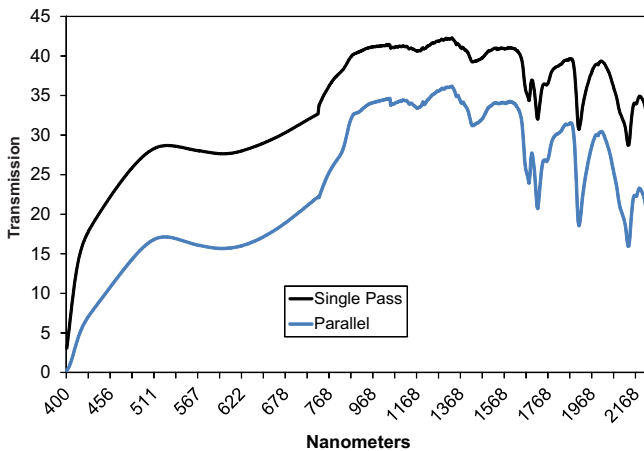
Near infrared linear polarizers are ideal for shutter and light control devices for IR lasers, LED and other infrared sources, photodetectors in non-visible security systems, infrared photography and crystallographic studies.



Data:

Product Code	APIR29-020
Description	Near IR linear polarizer
Thickness	.020" +/- .003"
Substrate	Cellulose Triacetate
Temperature Range	85°C to -55°C (3 hours)
Effective Range	400nm-2200nm
Coatings	None
Transmission, single pass, 400nm-760nm	29%
Transmission, single pass, 761nm-2200nm	39%
Transmission, crossed, 400nm-760nm	.02%
Transmission, crossed, 761nm-2200nm	.11%

Single and Parallel Transmission



Crossed Transmission up 2200nm

