

Near Infrared (NIR) Linear Polarizers

Uses:

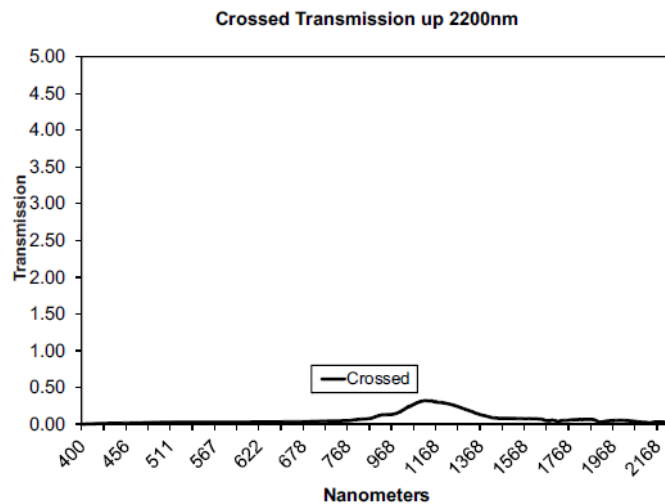
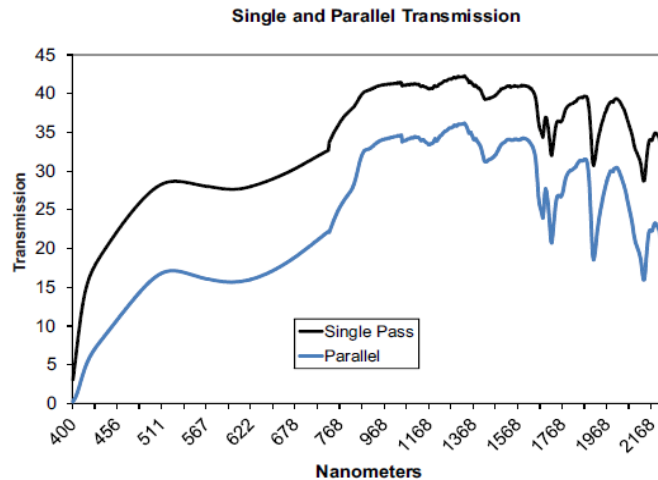
API's polymer based near infrared (NIR) polarizer is a great cost-effective solution for low output NIR lasers, sensors, and IR attenuation applications.

The APIR29-020 is a replacement for API's APIR29-030 and the 3M HR film, offering very high transmission and effectiveness from 400nm to 2200nm.

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

Data:

Product Code	APIR29-020
Description	Vis-NIR Linear Polarizer
Thickness	0.020" ± 0.003"
Substrate	Cellulose Triacetate (CTA)
Front Finish	Smooth, Uncoated
Back Finish	Smooth, Uncoated
Transmission Single	29% (400-760nm) 39% (760-2200nm)
Transmission Crossed	0.02% (400-760nm) 0.11% (760-2200nm)
Heat Resistance	85°C Dry
Cold Resistance	-55°C



Other Options:

Other Substrates: None for this product.

Notes:

Recommended converting method is CO2 laser.