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## **Press Release** (August 16<sup>th</sup> 2016)

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### **Pynco introduces:** **Multi-Color 100mil 'Polymeric' NVIS Flat Filter**

Historically known as a manufacturer of **glass** optical filter products, Pynco Inc. has added their first **polymeric** filter to their product offerings. A 100mil NVIS flat filter will be the first of several new forthcoming polymeric optical filter products that will include polymeric LED NVIS cap filters. Pynco also manufactures polymeric panel blanks, acrylic optical domes and windows.

Pynco's new 100mil polymeric NVIS flat filter offers a powerful alternative **for customers who require night vision compatibility with multi-color LCD and LED displays**. With exceptional quality and performance that adheres to both MIL-L-85762 and MIL-STD-3009 military standards, Pynco NVIS filters are the standard for mission critical night vision applications. Pynco polymeric flat filters include anti-reflection properties, are scratch resistant and will meet or exceed a variety of safety and environmental standards. For pricing, questions or comments, contact a Pynco representative today.

**This product has been tested and certified to pass a variety of standards including:**

#### **FAA Specification:**

FAR 25.853 Flammability Test (Vertical Burn Test): FAR2-853 Appendix F Part 25 Part Ia1ii & Part 4

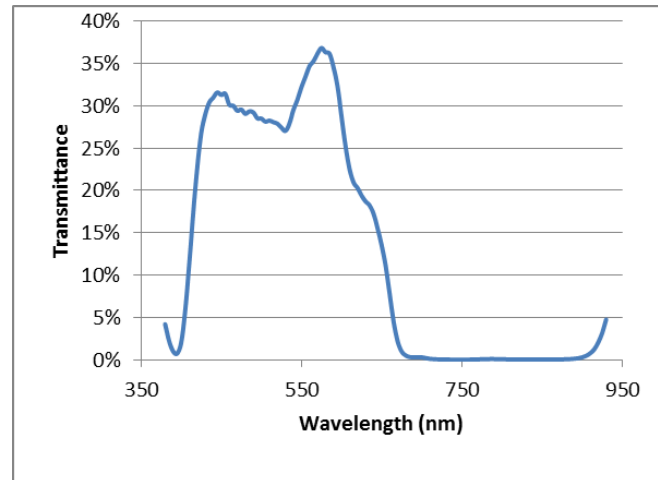
#### **Military Specifications:**

Thermal Cycling: MIL-STD-810G, Method 503.5, Procedure 1-B, Figure 503.5-2 and 4.4.4.1b  
(Temperature Extremes +70C/+160F to -40C/-40F)

Humidity: MIL-STD-202G, Method 103B, Test Condition A (+40C/+104F at 90%-95 & Relative Humidity)

Salt Fog: MIL-STD-810G, Method 509.5, Paragraph 4.5.2 (24/24/24/24)

## Multi-Color 100 mil 'Polymeric' NVIS Flat Filter



Color	Filtered Chromaticity		Unfiltered Chromaticity		Transmission	NVIS Radiance
	u'	v'	u'	v'	Y(%)	NRb
White	0.184	0.454	0.192	0.464	32.1%	2.2E-09
Blue	0.162	0.311	0.162	0.303	33.7%	9.7E-10
Green	0.144	0.507	0.146	0.501	34.3%	3.4E-10
Yellow	0.195	0.551	0.213	0.546	33.8%	2.1E-09
Red	0.329	0.503	0.351	0.495	34.9%	1.0E-08

\*\* Preliminary measurements taken using a scaling factor of 0.5 fL.

### About Pynco

Pynco Inc. is an AS9100C / ISO-9001 registered company (based in Bedford, Indiana) that excels in the Machining, Grinding & Polishing of Glass and Polymer materials. With 30 years of expertise in the defense and aerospace industries, Pynco is an industry leader in the manufacturing of optical and night vision filters as well as custom machined products. Pynco capabilities include spectroradiometric measurement services, research and design with an in-house optics laboratory and an experienced assembly and kitting department. Pynco combines first class customer service and leading edge optics research with a world class CNC manufacturing facility. Pynco began with a mission to provide solutions for the most demanding clients and this mission still continues today.

For more NVIS product information, download the [Pynco Night Vision Catalog](#).