

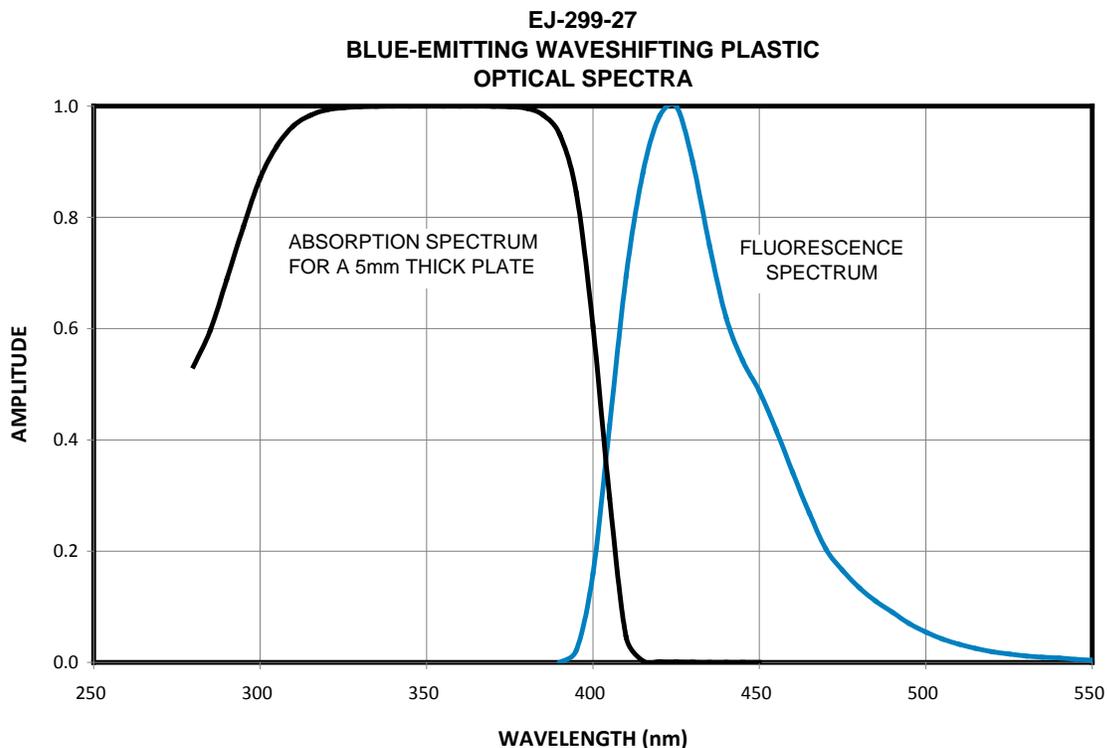
EJ-299-27 WAVELENGTH SHIFTER NEAR-UV TO BLUE

This efficient wavelength shifting plastic consists of selected fluorescent dopants incorporated in polyvinyltoluene plastic. It is formulated to reduce the scintillation response by a factor exceeding 100X. It is a clear plastic with strong broad absorbance in the near-UV and blue fluorescence. It is manufactured in cast sheet form in thicknesses of 5mm or greater.

Characteristics

Emission Maximum:	425nm
Quantum Efficiency:	Approximately 92%
Decay Time:	$\tau = \sim 1.2$ ns
Specific Gravity:	1.02
Refractive Index:	1.58
Vapor Pressure:	Is vacuum compatible
Coef. of Lin. Expansion	7.8×10^{-6} below 67°C

Chemical Compatibility: Is attacked by aromatic solvents, chlorinated solvents, ketones, solvent bonding cements, etc. It is stable in water, dilute acids and alkalis, lower alcohols and silicone greases. It is safe to use most epoxies and "super glues" with EJ-299-27.



ELJEN TECHNOLOGY
1300 W Broadway Ave.
Sweetwater TX 79556 USA

Tel: (325) 235-4276 or (888) 800-8771
Fax: (325) 235-0701
Website: www.eljentechnology.com