

## Wavelength Shifting Fibers

### Formulations

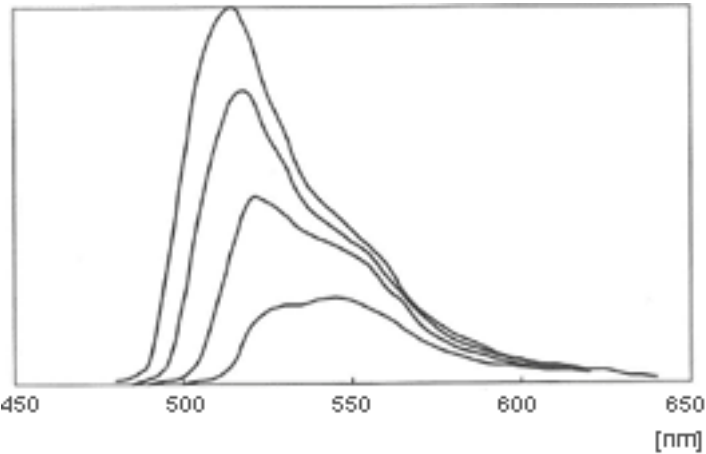
Description	Emission			Att. Leng. <sup>2)</sup> [m]	Characteristics
	Color	Peak [nm]	Spectra		
Y-7(100), Y-7(100)M	green	490	See the following figure	>3.0	Green Shifter
Y-8(100), Y-8(100)M	green	511		>2.8	Green Shifter
Y-11(200), Y-11(200)M	green	476		>3.5	Green Shifter (K-27 formulation)
O-2(100), O-2(100)M	orange	538		>1.5	Green to Orange Shifter

1) Test fibers are Non-S type, 1mmΦ.  
2) Measured by using bialkali PMT and blue LED(445nm).  
Otherwise than descriptions mentioned above, various WLS fibers are available.  
Ex. R-3(green to red shifter, peak is 607nm), Y-9(blue to green shifter, 485nm), B-1(428nm), B-2(437nm).

### Technical Data

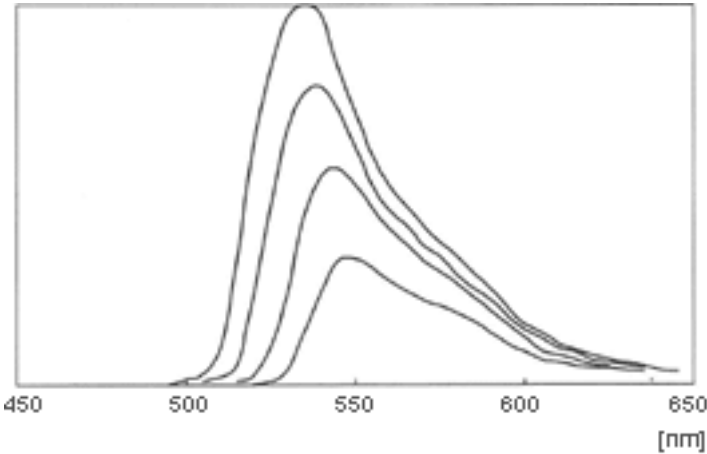
#### Emission Spectra

Y-7(100), Y-7(100)M



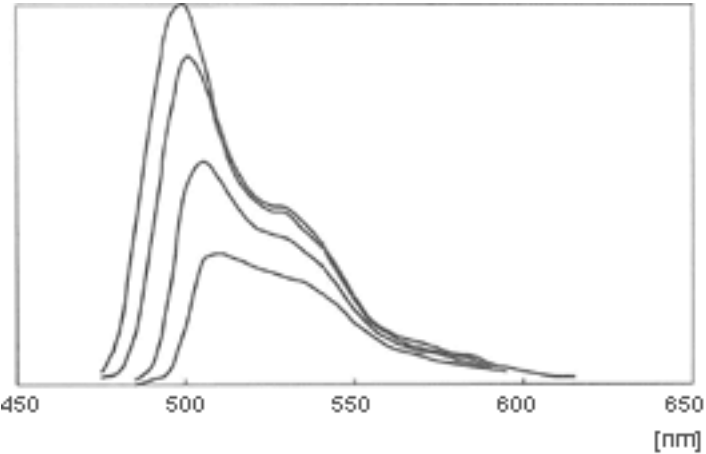
Exiting Wavelength: 440nm

Y-8(150), Y-8(150)M



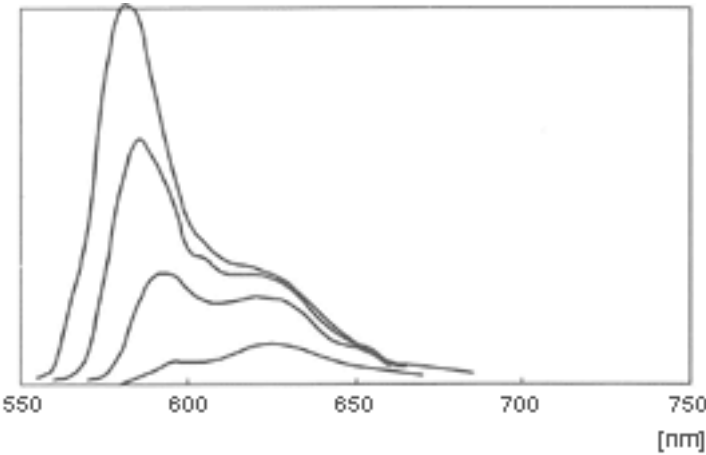
Exiting Wavelength: 455nm

Y-11(200), Y-11(200)M



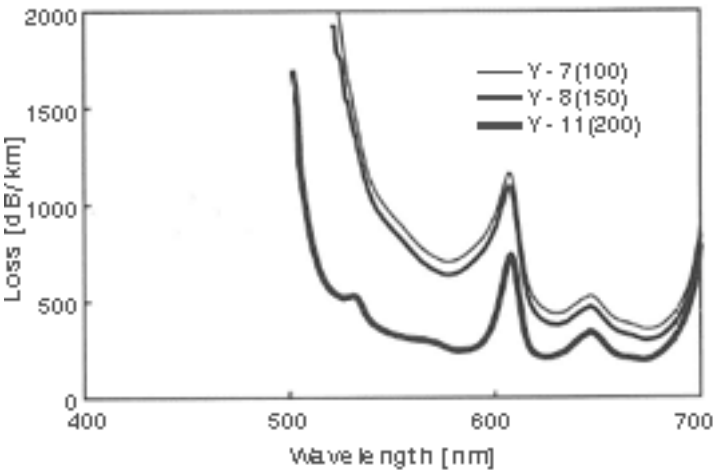
Exiting Wavelength: 430nm

O-2(100), O-2(100)M

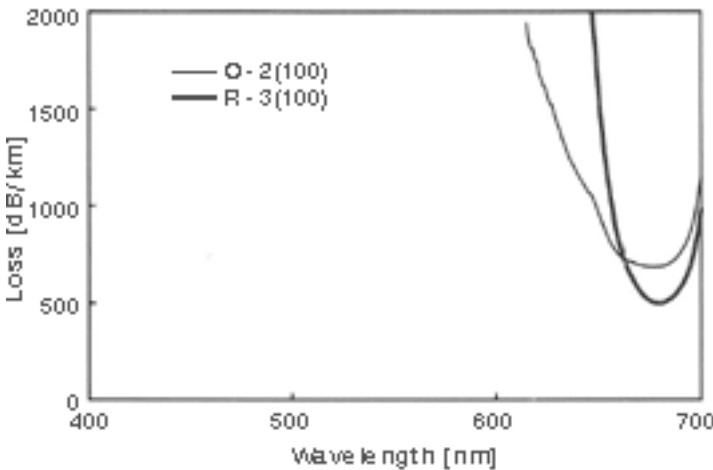


Exiting Wavelength: 430nm

Y-7, Y-8,Y-11



O-2, R-3



↑ Plastic Scintillating  
Fibers

▸ Scintillating Fibers

▴ Wavelength Shifting Fibers

▸ Clear Fibers

➔ Plastic Imaging Fibers