

Optical Fiber Coloring Inks

Physical Properties:

Liquid Coating

Viscosity (25°C)	2800cps
Solid Content	>99%
Density (23°C)	1.13 kg/l

Typical Value

Cured Film

Modulus at 2.5% strain	400MPa
Elongation	5%
Tensile strength	20MPa
Curing speed (at 95% of relative curing degree)	≤1.0J/cm ²
Density (23°C)	1.22kg/l

Packaging, Transportation, Storage

Packaging & Transportation

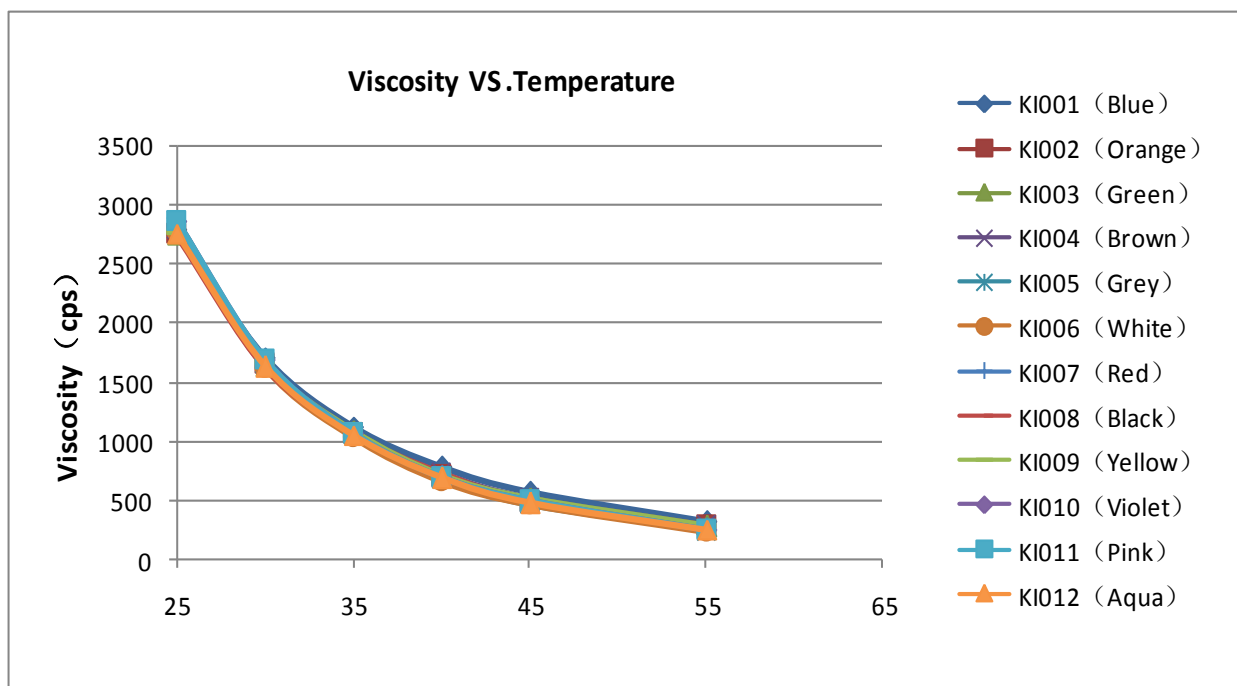
Packaged in 1kg plastic bottle

Storage Conditions

Stored between 0°C to 35°C
for up to 12 months.

Safety Precautions

Refer to packaging labels



Catalog

Optical Fiber Coloring Inks

This product is manufactured by our patented UV curable technology and the world's leading production method. Quality control and testing are strictly executed throughout the whole process.

KI series optical fiber inks include the following colors:

KI001 (Blue)	KI002 (Orange)
KI003 (Green)	KI004 (Brown)
KI005 (Grey)	KI006 (White)
KI007 (Red)	KI008 (Black)
KI009 (Yellow)	KI010 (Violet)
KI011 (Pink)	KI012 (Aqua)

All twelve colors are in accordance with the Pantone color-order system. We can also offer customized colors according to customers' special requirements.

NO.	Color	Pantone Color-Order		
		L	a	b
KI001	Blue	33.1—46.1	-13.3—3.9	-40.5—-30.3
KI002	Orange	48.8—60.8	35.7—48.2	26.3—38.3
KI003	Green	48.2—57.9	-48.5—-34.8	14.0—28.9
KI004	Brown	27.9—41.0	-0.7—10.5	-2.8—9.8
KI005	Grey	47.9—60.8	-4.1—-0.1	-7.2—-3.0
KI006	White	87.6—98.4	-3.5—0.5	-2.5—2.6
KI007	Red	37.4—49.1	35.9—53.9	8.0—21.7
KI008	Black	22.5—30.3	-1.5—1.8	-2.9—2.1
KI009	Yellow	72.7—83.6	-0.2—15.8	57.8—73.9
KI010	violet	50.0—60.5	12.2—20.7	-40.8—-24.8
KI011	Pink	64.0—75.3	23.3—34.9	3.1—12.1
KI012	Aqua	59.4—68.4	-33.4—-22.8	-27.9—-15.4

The data contained herein are based on Phichem lab test result and are believed to be reliable. Phichem recommends that the users take test to determine the suitability of a product in particular processing or application/use.