



Optical Fiber Coloring Inks

KI Series optical fiber inks include the following colors: KI001 (Blue), KI002 (Orange), KI003 (Green), KI004 (Brown), KI005 (Slate), KI006 (White), LI007 (Red), LI008 (Black), KI009 (Yellow), KI 010 (Purple), KI011 (Rose), KI012 (Aqua) , KI000 (Transparent). All twelve colors are in accordance with the Munsell color-order system.

Physical Properties

Liquid Coating

Viscosity (25°C)	1800-2400 cps
Solid Content	>99%
Density (23°C)	1.15kg/l

Cured Film

Modulus (2.5% elongation, 23°C)	700-900MPa
Elongation (23°C)	3-4%
Tensile strength (23°C)	30MPa
Curing speed (at 95% of Maximum modulus)	0.3-0.5 J/cm ²
Density (23°C)	1.22kg/l

Packaging

Packaged in 1kg plastic bottle, or customer specified container.

Storage

Stored between 15°C to 30°C for up to 12 months.

Usage

Rotate materials in its original bottle for at least four hours before each and every use.

Safety

Refer to the label on each package container for safety precautions.

Catalog No.	Color	Munsell Color-order		
		L	a	b
KI001	Blue	37	-3	-35
KI002	Orange	48	40	28
KI003	Green	56	-50	25
KI004	Brown	31	8	5
KI005	Slate	52	-1	-3
KI006	White	95	-2	0
KI007	Red	36	33	13
KI008	Black	26	0	0
KI009	Yellow	76	4	61
KI010	Purple	53	19	-29
KI011	Rose	66	29	9
KI012	Aqua	63	-25	-17
KI000	Transparent	N/A	N/A	N/A