

# Pigments for Displays and Recording Materials

## Applications

Major application	Required performance	Major pigment used
Information recording material		
Electrophotographic toner	Charging characteristics, Light fastness, High clarity, Coloring power, Dispersibility	Cyan : Copper phthalocyanine blue
		Magenta : Carmine 6B, Naphthol red, Dimethylquinacridone red
		Yellow : Monoazo yellow, Polycyclic pigments
Inkjet inks	Particle sizing (after dispersion) Dispersion stability, Water resistance, Light fastness, High clarity, Coloring power	Cyan : Copper phthalocyanine blue
		Magenta : Quinacridone red
		Yellow : Monoazo yellow, Polycyclic pigments
Information display material		
Color filters for LCD	Spectral waveform, Transmittance, Heat resistance, Dispersion stability	Red : Anthraquinone red, Diketopyrrolopyrrole red
		Blue : Copper phthalocyanine blue
		Yellow : Quinophthalone, azo-nickel complex
		*Various other pigments

## Characteristics

Functional pigments for IT-related industries are given suitability for various applications through pigmentation technologies such as micronization and easy dispersibility.

