Cromalent Blue S11

Chemical Nature: Monoazo Copper complex

Physical Properties

Form	Powder
Colour	Blue
Solubility in water	Insol.
Specific gravity (water=1)	1.40

Light Fastness

1-8 Blue Scale comparison	5

Heat Fastness

10 min. 180°C (1-5 scale)	3

Chemical Fastness

Acid (1-5 scale)	5
Alkali (1-5 scale)	5

Table of solubilities

Methanol	320
Ethanol	150
Isopropanol	240
Isobutanol	180
n-Butanol	170
Ethylacetate	10
Toluene	280
Xylene	180
MEK	500
MIBK	170
Ethyl Cellosolve	170
Cyclo-Hexanone	150
PM (Propylene Glycol Methyl Ether)	370
DPM (Dipropylene Glycol Methyl Ether)	320
Acetone	140

APPLICATIONS	
Wood Stains	A
Hot stamping	A
Natural or sinthetic leather coatings	A
Soles of shoes coatings	A
Transparent coating for aluminium foil	A
Transparent coating for metallized film	A
Solvent based flexografic inks	A
Ink-jet inks	A

2,5%	RECIPE FOR ILLUSTRATION	1%
9	NC resine	9
21	Ethylacetate	21
10	Metoxipropanol	10
27,5	MEK	29
30	Ethanol	30
2,5	Dye	1
100		100

Legenda: A= suitable, B= applicable previous tests, C= unsuitable. Illustrations have been obtained by a 24 micron coater.

Fastness methods: Light: ISO blue scale (1-8) as comparison standard. / Heat: Automatic constant temperature dryer at 180°C for 10 minutes. / Acid: Immerse in 1% H2SO solution for 24 h. / Alkali: Immerse in 1% NaOH solution for 24h.

Solubilities: Figures given in the table represent the amount of dye in grams which may be dissolved in a litre of the indicated solvent. Test is conducted for each solvent by making a sequence of drawdowns with a 30 micron coater on aluminium foil at increasing values of solved dye. Drawdown must be glossy ans trasparent, with no opacity, while no bottom must be present in the container.

Other informations: The above informations are based on our actual knowledge and on the results of the tests in our lab, but they are given without guarantee. Tests before the industrial use of the product are recommended.

Last revision: june 2005