

24120 Special Black NIR

Organic pigment with excellent fastness properties, transparent in the infrared range.

Form:	powder
Chemical class:	Perylene black
Color Index:	Pigment Black 31, C.I. 71132

Conductivity:	< 200 $\mu\text{S}/\text{cm}$
pH Value:	6 – 8
Density:	1.42 g/cm^3
Thermal resistance:	150°C
Specific surface:	31 m^2/g

Weathering or Light Fastness

Masstone (Offset Inks):	8
-------------------------	---

Chemical Fastness

Of Fullshade in Offset Inks (Grayscale 5 (best) – 1 (worst))

Soap (1 % solution):	5
Alkali (2% NaOH):	5
Acid (2% HCl):	5
Butter:	5
Water:	5

Solvent Fastness

(Grayscale 5 (best) – 1 (worst))

Ethyl acetate:	3
MEK:	2 – 3
White spirit:	5
Ethanol:	2 – 3
Linseed oil:	4 – 5
Toluene:	3
NC Solvent blend:	3
Water:	4

Ink System

Oil-based:	recommended
UV-Curable:	potentially recommended
Solvent-based:	potentially recommended

Printing Technology

Digital Electrophotography:	potentially recommended
Digital Inkjet:	potentially recommended
Flexographic / Gravure:	recommended
Metal Deco:	potentially recommended
Offset inks:	recommended
Screen printing:	potentially recommended