



inorganic pigments  
for plastics

## MASTERBATCH APPLICATION

Iron Oxides  
Chrome Oxide Green  
Zinc Ferrites

created by

**D&C**  
COLORS, s.a.



Inorganic pigments  
for plastics

**Chromafer®** is **G&C Colors'** brand of inorganic pigments. It includes iron oxides, green chromium oxides, zinc ferrite and iron and manganese oxide. The **ISO 9001:2015** certification guarantees the constant quality of our products.

ChromaFer pigments for plastics meet the requirements and **FDA** regulations for polymers in contact with food. The size of the particles prevents migration through the polymers and **Chromafer®** pigments have a high purity. They are usable in most polymers.

Crystals that form the green chromium oxide particles have a high degree of hardness. This could cause abrasion in some metallic parts of productive processes associated with high speed. One of these cases is the extrusion of PVC profiles. For this reason, the necessary precautions will be taken to test and adjust the parameters of the processes in order to avoid manufacturing defects as well as damages in the machinery.



Main ship of G&C COLORS in Ceutí (Spain).

**G&C Colors**, founded in the year 2000, specializes in the production of inorganic pigments, among which synthetic iron oxides and chrome oxides, both under the brand **Chromafer®**, fill an outstanding position.

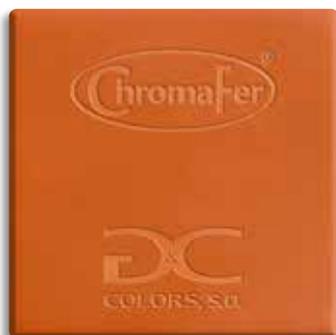
We also develop customized pigments for different fields of application, such as building materials, plastics, paints, asphalts and DIY.

We always meet the highest quality standards and adapt to the most varied and demanding conditions.

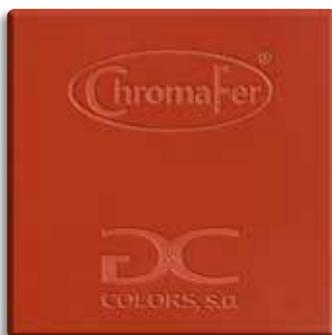
As a complement to our extensive range of pigments, and in accordance with the market requirements, we have developed a wide variety of ancillary products at **G & C Colors**.



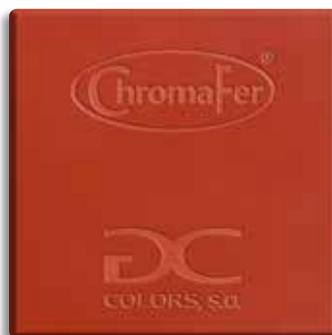
# Chromafer® PIGMENTS' COLOR CARD FOR PLASTICS APPLICATION



9007T



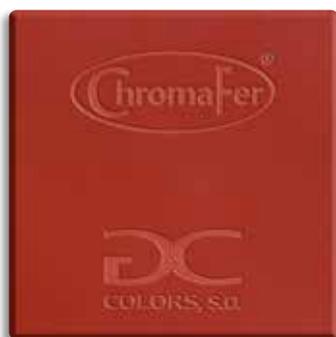
1005



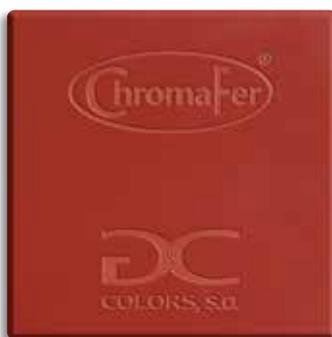
1010



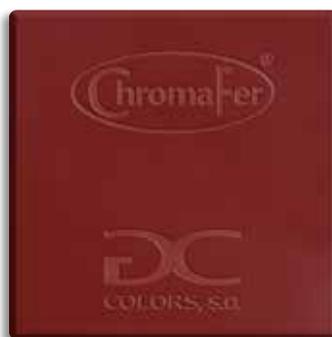
1020



1030



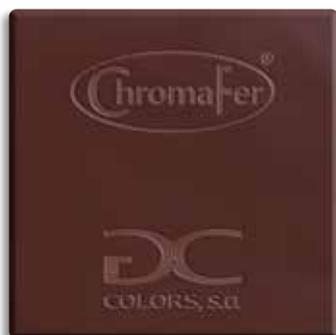
1040



1060



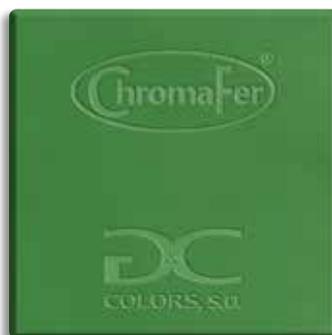
1080



645T



303T



G3



## PEHD

Masstone  
0,5% pigment

Some of these pigments are available in a micronized version.

The printed representation of the color samples on this page should always be taken as approximate.

## TECHNICAL DATA

Group	Grade	Composition	Color index		% Fe <sub>2</sub> O <sub>3</sub>	Density g/cm <sup>3</sup>	Tamped apparent density g/cm <sup>3</sup>	Particle shape	Heat fastness °C	Predominant particle size μm
Zinc Ferrite	9007T	ZnFe <sub>2</sub> O <sub>4</sub>	PY 119	77496	64-68	5,1	0,7 - 1,3	elongated	>300	0,15 x 0,5
Iron Oxide	1005	Fe <sub>2</sub> O <sub>3</sub>	PR 101	77491	96	5,0	0,9 - 1,1	spherical	>300	0,08
	1010	Fe <sub>2</sub> O <sub>3</sub>	PR 101	77491	96	5,0	0,9 - 1,1		>300	0,1
	1020	Fe <sub>2</sub> O <sub>3</sub>	PR 101	77491	96	5,0	0,9 - 1,1		>300	1,12
	1030	Fe <sub>2</sub> O <sub>3</sub>	PR 101	77491	96	5,0	0,9 - 1,1		>300	0,16
	1040	Fe <sub>2</sub> O <sub>3</sub>	PR 101	77491	96	5,0	0,9 - 1,3		>300	0,3
	1060	Fe <sub>2</sub> O <sub>3</sub>	PR 101	77491	96	5,0	1,0 - 1,4		>300	0,4
	1080	Fe <sub>2</sub> O <sub>3</sub>	PR 101	77491	96	5,1	1,3 - 1,7		>300	0,6
Blending	645T	(Fe, Mn) <sub>2</sub> O <sub>3</sub> + Fe <sub>2</sub> O <sub>3</sub>	PBk 33 + PR 101	77537 + 77491	85	4,8	0,9 - 1,1	spherical	>300	0,3
Mixed Phase	303T	(Fe, Mn) <sub>2</sub> O <sub>3</sub>	PBk 33	77537	65	4,6	0,9 - 1	spherical	>300	0,5
Chrome Oxide Green	G3	Cr <sub>2</sub> O <sub>3</sub>	PG 17	77288	Cr <sub>2</sub> O <sub>3</sub> / 98,5	5,2	0,9 - 1,1	spherical	>300	0,32

Note: some of these pigments are available in a micronized version.



**Chromafer® pigments for plastic applications have a high opacity, and excellent light fastness, high resistance to acidic and alkaline media. They also tolerate the high temperatures inherent to most polymer production processes.**



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