

49700 Haematite-Chrome Oxide, Spinel

Color Index: Pigment Brown 29, C.I. 77500
Iron chromite hematite
CAS No.: 12737-27-8
EINECS No.: 235-790-8

Description:

This pigment is an iron chromite brown hematite. It fits for Pantone 497 C.

The pigment has an excellent chemical resistance, outdoor durability, light fastness, heat stability, is non-bleeding and non-migratory. It is an all-purpose pigment; suggested applications include RPVC, polyolefins and engineering resins. This pigment causes no warpage in injection-moulded or extruded parts, not even in large ones. Its outstanding fastness rating makes the pigment ideally expedient for plastics resistant to both weathering and heat, notably for shading as well as for mass tone. It makes it particularly suitable for paints and coatings including general industrial, coal and extrusion coatings. Another field of application are architectural finishes, both water- and solvent-based.

Physical Properties:

Specific gravity:	4.5 g/cm ³ (± 0.1)	Method
Oil absorption:	20.0 g / 100 g	DIN-ISO 787 part 10
Mean particle size:	1.4 µm	DIN-ISO 787 part 5
Specific surface:	3.7 m ² /g	Cilas Granulometer HR 850-B
pH:	8 – 9	DIN-ISO 787 part 9
Heat resistance:	> 500°C	
Fastness to light:	> 7	DIN 54003
Fastness to weather:	> 4	DIN 54001
Sieve residue (325 mesh / 45 µm)	< 0.1 %	DIN 53195
Moisture:	< 0.5 %	DIN-ISO 787 part 2

Product Specification:

	Mass Tone	Tint 1:3
DL*	± 0.8	± 0.8
Da*	± 0.8	± 0.8
Db*	± 0.8	± 0.8
DE*	max. 1.0	max. 1.0
Color strength		± 5.0 %

(In CIE Lab-units, tested according to test procedure AA 10/53 (soft-PVC) in comparison to standard quality, Illuminant D65, 10°, SCI)