

42296 Cerium Orange

Identity

Chemical name:	Cerium(III) sulfide, C ₂ S ₃
Color-Index:	Pigment Orange 78, C.I. 77285:0
CAS No.:	12014-93-6 / 12031-49-1

Description

Cerium sulfide pigments have strong coloring power, bright color, good heat resistance, light resistance, weather resistance, excellent hiding power, no migration. It is an excellent substitute material for cadmium and other heavy metal inorganic pigments.

Typical Data

Appearance:	orange pigment
Water soluble matter:	≤ 1.0 % (DIN EN ISO 787/3)
Moisture:	≤ 1.0 wt.-% (DIN EN ISO 787/2)
Oil absorption:	20 – 30 / 100 parts pigment (DIN EN ISO 787/5)
pH Value:	7 – 9 (DIN EN ISO 787/9)
Primary particle size D50:	1.5 µm (ISO 13320-1)
Sieve residue 325 Mesh (45 µm):	≤ 0.5 wt.-% (ISO EN ISO 787/7)

Fastness Properties

Heat resistance:	< 280°C
Acid resistance:	3
Alkali resistance:	4
Light fastness (full shade):	8
Weather fastness:	5