

49710 Iron Chrome, IR Reflecting

Color Index: Pigment Green 17, C.I. 77288

CAS No.: 68909-79-5

EINECS No.: 272-713-7

Description:

High solar infrared reflective pigment.

Objects colored with this pigment stay cooler. Several other advantages result from this fact: the colored parts are less subject to thermal expansion and contraction, increases service life, less product degradation. Together with titanium dioxide, a full color palette can thus be achieved. It has excellent chemical resistance, outdoor durability, light fastness, heat stability and is non-bleeding and nonmigratory. Is particularly suitable for paints and coatings, including general industrial, coil and extrusion coatings. This pigment causes no warpage in injection-moulded or extruded parts – not even large ones. Another field of application are architectural finishes, both water- and solvent-based.

Physical Properties:

Specific gravity:	5.2 g/cm ³	Method DIN 66137
Oil absorption:	9.0 g / 100 g	ASTM D-281
Mean particle size:	1.2 µm	ISO 13320-1
Specific surface:	3.7 m ² /g	DIN 9277
pH:	4.9	DIN-ISO 787-9
Heat resistance:	> 500°C	NCF-33
Fastness to light (Fullshade):	8	ISO 105-B01
Fastness to weather (Fullshade):	5	DIN EN 20105-A02

Certified Characteristics:

	Lot tolerance	Method
dLin Masstone	± 0.5	D5M00002
da in Masstone	± 0.5	
db in Masstone	± 0.5	
dE in Masstone	≤ 0.9	
dLin Tint	± 0.5	D5M00002
da in Tint	± 0.6	
db in Tint	± 0.6	
dE in Tint	≤ 0.9	
Color strength	± 5.0 %	
Sieve residue (325 mesh / 45 µm)	< 0.1 %	ASTM D-185
Moisture:	< 0.5 %	ASTM D-280