

23177 Perinone Orange, PO 43

Color Index: Pigment Orange 43, C.I. 71105
 CAS No.: 4424-06-0
 Form: powder

A bright, high chroma orange pigment with excellent overall properties and high tint strength.

Physical Properties

Density: 1.60 g/cm³
 Oil Absorption: 73 g / 100 g
 Surface Area: 40 m²/g

Chemical Resistance:

- Acid: 5
 - Alkali: 5
 - Lacquer Solvents: 5
 - Ethyl Alcohol: 5
 - Glycols: 5
 - Ethyl Acetate: 5
 - Methyl Ethyl Ketone: 5
 - Mineral Spirits: 5
 - Water: 5
 - Xylene: 5
 - Paraffin Wax: NT
 (1=poor; 5=excellent)

Lightfastness (Blue Wool)

Masstone: 5
 1 – 10 Tint: 5
 1 – 25 Tint: 6 – 7
 (1=poor; 8=excellent)

Halogenated: no

Heatfastness

Coatings	5:95 Tint DE < 2.0	200°C / 392°F
Plastics	LDPE 1:19 DE < 2.0	5 min (300°C / 575°F)
	Warpage 2% in HDPE	3 (not recommended for complicated, thick walled injection molded applications in HDPE)

Weatherfastness (Gray Scale)

		Masstone	Tint	Metallic
Coatings	South Florida 5° BB	3	3	-
Plastics	DIN EN ISO 4892-2	NT	NT	
(1 = poor; 5 = excellent; NT = not tested)				

Applications

Coatings: Architectural / Deco
General industrial
Solvent
Waterborne

Inks:
Water based: Potential use
Solvent: Recommended
UV: Potential use
Sheet Fed: Potential use

Plastics:
Rubber A
pPVC C
LDPE A
PA6 A
PP A
HDPE A
PS A
PC A
PET -

A = Generally good properties
B = Possible heat stability problems/limited suitability
C = Possible migration problems
D = Possible migration of carrier resins