

Iron Oxide Red 180

Product Description

Iron Oxide Red 180 is a deep bluish shade red iron oxide pigment. It has good thermal stability and does not migrate and is very lightfast and weather stable suitable for the coloring of plastics, masterbatches, wood plastic composites, as well as coatings and construction applications.

C.I. Name	Pigment Red 101
C.I. No.	77491
CAS. No.	1309-37-1
Chemical Group	Modified synthetic iron oxide

Physical Data

Content(Fe ₂ O ₃) [%]	≥96.0
pH Value	3.0~7.0
Water Soluble Matter % [m/m]	≤0.50
325 Mesh Residue [%]	≤0.20
105°C Volatile Matter [%]	≤1.0
Oil Absorption [ml/100g]	20.0~30.0
The Relative ColorΔE★	≤0.80
Tint Strength %	95~105
Density [g/ml]	5.2
Heat Stability °C	≤400

Applications

Plastics	Coatings	Construction Material
Colored Plastics	Ceramic / Engobes	Asphalt / Bricks
Masterbatches	Coil Coating	Concrete Masonry Blocks
Plastic & Polymers	Powder Coating	Concrete Roofing Tiles/Felts
Wood Plastic Composites	Roof tile Coating	Fiber Cement
	Automotive Coating	Paving Stones / Plaster
	PVDF / Fluorocarbon Coating	Noise Barriers

All the information above is based on data obtained at laboratory and is not to be used for certifying the suitability of the product. Users are advised to test the product in their own system before purchase.

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Packaging, Shipping & Storage

Iron Oxide Red 180 is supplied in powder form. The product is packed in paper bags (25kg/bag) and shipped on pallets (1000kg/pallet). Store in a dry place and avoid extreme fluctuation in temperature. Special conditions for opened packaging: Close bag after use to avoid the absorption of moisture and contamination.

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