

Technical Data Sheet

Iron Oxide Black



FINELAND CHEM
泛成化工

General Information

Color Index	Iron Oxide Black (77499)
Product Code	DuraPaint®318M
CAS NO.	1317-61-9
EC No.	215-277-5
Chemical Formula	Fe ₃ O ₄

Physical Properties

Contents Fe ₂ O ₃ (%)	≥95
Oil Absorption (g/100g)	20~30
Res.on 325 mesh(%)	≤0.1
Water soluble matter(%)	≤0.5
Moisture(%)	≤1.0
PH Value	5~8
Bulk density(g/cm ³)	0.4~0.6
Particle Size(μm)	0.2

Fastness Properties

Heat Resistance (°C):	60-80	Alkali Resistance (1-5):	4
Light Resistance (Full Shade, 1-8):	8	Migration Resistance(1-5)	5
Light (Reduced tinting, 1-8)	8	Ethyl Acetate (1-5)	4
Weather Resistance (1-5):	5	Ethanol (1-5)	4
Acid Resistance (1-5):	4	MEK (1-5)	4

Application & Performance

Recommended for Building materials, concrete, bricks, paints & coatings, fertilizers, plastics and rubber polymers, fiber cement, paper, mortar, wood plastic composites, paving tiles, industrial coatings, roof tiles, ceramic products.

Note

*Fineland Chem offers innovative pigment technologies designed for long-lasting performance and consistent quality in industrial use. Product data is based on current knowledge and for reference only. Users should verify suitability; no liability is assumed for specific applications.

Date of issue: Sep. 1st, 2024

TDS Version: 2.1