

**Technical Data Sheet****TDS****General Description**

Product Name	Micronized Iron Oxide Black 318M
Type	Black pigment, micronised
Chemical Class	Synthetic iron oxide $\alpha$ -Fe <sub>3</sub> O <sub>4</sub>
Delivery Form	Powder
Color Index	Pigment black 11 (77499)
CAS	1317-61-9
EINECS NO.	235-442-5

**Physical and Chemical properties**

Test Items		Specification
Appearance		Black powder
PH Value		5.0-8.0
Shade		Close to std.
Oil Absorption, %		15-25
Residue on 320 mesh, %		0.01 max.
Water Soluble, %		0.5 max.
Volatite at 105°C, %		0.5 max.
Tinting Strength, %		98-102
DE (compared with std.)	Full Shade	1.0 max.
	Reduction	0.8 max.
Conductivity, us/cm		400 max.
Heat Stability, C°		100
Density, g/cm <sup>3</sup>		4.7
Predom Particle Size, μm		0.4

**Application**

Widely used in corrosion protection, decorative paints, emulsion paints, flooring, industrial coatings, paints and coatings, plastic coatings, plastic products, colored plastics, master batches, powder coatings, roof tile coating, wood plastic composites, printing inks.

**Package**

25kg bag with pallets.

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