

Type	Black pigment-High Performance micronised
Delivery	FormPowder
Chemical Class	Synthetic iron oxide Fe3O4
Use Recommendation	Coating, Construction, Plastic

COLOR VALUES AND TINTING STRENGTH

Reference	Min	Max	Standard: ASTM Test Method
Reduction with titanium dioxide (1:5)	R-706		ASTM D 387
ΔL^*	-0.5	+0.5	
Δa^*	-0.5	+0.5	
Δb^*	-0.5	+0.5	
ΔE^*		0.8	
Binder	R-05		
Relative tinting strength [%]	97.0	103.0	

TECHNICAL DATA

	Min	Max	Test Method
Hegman Grind	4.0		ASTM D 1210
Dispersion (micron)[μm]		50.0	ASTM D 1210
Water-Soluble Content [%]		0.5	ASTM D 1208
Sieve Residue (0.045mm) [%]		0.05	ASTM D 185
PH Value	7.0	8.0	ASTM D 1208
Fe2O3 [%]	95.0		ASTM D 50
Moisture (After Production) [%]		1.0	ASTM D 280
Particle Shape	Spherical		Electron Micrographs
	Approx.		
Predominant Particle size [μm]	0.3		Electron Micrographs
Oil Absorption [g/100g]	~25		ASTM D 281
Density [g/ml]	~4.5		ASTM D153

STANDARD PACKAGING

25kg/bag

QUALITY ASSURANCE

AMBICA SPECIALITY CHEMICALS is a firm of Assessed Capability. The company's quality system conforms to ISO 9001:2015.

HEALTH & SAFETY

BLACK OXIDE is no-toxic and non-flammable. Avoid inhalation of dust during mixing and wear safety glasses, dust mask and gloves. If skin contact occurs wash thoroughly with clean water. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice. Full health and safety data are given in Product Safety Data Sheet.