



TECHNICAL DATA

Edition of: 2016-09-01

Trade name	Heat stable black oxide			
Type	750T			
REACH	Registration No. 01-2119457599-19-0006			
Chemical class	Synthetic manganese ferrite (MnFe ₂ O ₄)			
Delivery form	Powder			
Colour index	Pigment black 33 (77494)			
CAS No./EC No.	68186-94-7 / 269-056-3			
Specifications	Contents (Fe ₂ O ₃)	%	≥65	ISO1248
	Oil absorption	g/100g	20~30	ISO787-5
	Res. on 325 mesh	%	≤0.3	ISO787-7
	Water soluble matter	%	≤1.5	ISO787-3
	Moisture	%	≤0.5	ISO787-2
	pH value		5~8	ISO787-9
	Ignition loss (1,000°C, ½ h)	%	≤2.0	DIN55913
	Bulk density	g/cm ³	0.8~1.2	ISO787-11
	Specific gravity	g/cm ³	~ 4.6	ISO787-10
	Predominant particle size	µm	---	SEM
	Dispersibility (Hegman)	µm	---	ISO787-20
	Heat stability	°C	800°C	ISO787-21
	Tinting Strength (Compared with Standard)	%	95~105	ISO787-24
	Color Difference ΔE (Compared with Standard)		≤1.0	ISO787-1
	Sales packing	In 25kg paper bag/1000kg bulk bag then palletized		
Transport & Storage	Protect against weathering. Store in a dry place. Temperatures of above 80 °C must be avoided			
Safety	The product is not classified as hazardous under EC 1907/2006 & EC 1272/2008			